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BACKGROUND OF THE INVENTION

(1) FIELD OF THE INVENTION: The present invention is directed to a method, an article of manufacture, and a system incorporating a computer system of a financial institution, wherein data fields are provided and access thereto is initiated for the generation of financial information for format and transmission via electronic mail to the customer on an incremental time basis.

(2) BRIEF DESCRIPTION OF THE PRIOR ART: Electronic mail (or "e-mail") is a popular way for people to communicate. Using e-mail, a person can send messages and other information such as formalized documents, etc., that are in digital form, either in the mail itself, or as an "attachment" in a rather lengthy e-mail configuration.

E-mail communication systems are generally regarded as multi-cast, store-and-forward bi-directional communication systems. A user can send e-mail messages to one or more recipients at a time. An e-mail system is regarded as bi-directional as, usually, a user can both send and receive e-mail messages. Uni-directional systems are also popular.

When using e-mail to communicate, a user will typically create a message using an e-mail program running on a computer that is or can be connected by a network to other computers. The message will include the e-mail address of the intended recipient. When the user has finished entering the message, the user will "send" the message to the intended recipient. The message is electronically transmitted via the computer network. The recipient, also using an e-mail program running on a computer connected to a computer network, can then read the received message.

A common computer network used to send and receive e-mail is the Internet. The Internet allows users to send and receive e-mail to and from computers around the world. Typically, each user will have an Internet e-mail address unique to that user, e.g., bob@pto.com. A user with an e-mail account and a computer that can connect to the Internet can easily send and receive e-mail over the Internet. Users connect to the

Internet to send and receive e-mail through a number of on-line networks, such as America on Line, CompuServe, Microsoft Network, and the like. Using a computer with a modem, the user is supplied with a unique access number which is sourced through the network for sending and receiving e-mail.

5 In the past, banks and other similar financial organizations, have customarily sent out statements to customers on a given time basis, such as monthly. Generally speaking, separate accounts will generate statements which have been mailed to the customer. Recently, many banks and other financial institutions have offered statements in which all accounts are included in one statement, i.e., 2 or more checking accounts, a savings account, a line of credit, and the like.

10 Most banks offer a telephone "800" number for a customer to make specific inquiry regarding a debit, credit or balance for a particular account. Most of the "800" numbers are automated and computer generated voice responses deliver the required messages and information to the customer upon the customer entering into the phone pad identification numbers for the account and other information. Often times, these "800" numbers are not satisfactorily responsive and result in delays in communicating the desired information to the customer, with the customer being placed on "hold" for many minutes.

15 The present invention addresses many of the problems described above by providing a method and system for sorting, generating and presenting banking and other financial data in a format from a host computer system, i.e., a host server, to a computer integrated into an e-mail system, preferably via the Internet as above described, for a very frequent transmission of the requested and desired information to the customer, such as on a daily basis, i.e., once each morning at a designated time. In this manner, the customer may be serviced with a "daily" or almost continuous data stream containing debit, credit and balance information on 20 a host of accounts with the financial institution, such as a Bank, savings and loan association, or the like. The information is provided in a format which offers security to the customer with respect to proper identification of accounts and the like.

DEFINITIONS

As used in the specification and the claims, the following words and phrases shall have the meanings corresponding thereto:

- (1) "Checking Account": a bank account against which the depositor can draw checks.
- (2) "Savings Account": an account (as in a bank) on which interest is usually paid and from which withdrawals can be made usually only by presentation of a passbook or by written authorization on a prescribed form.
- (3) "Certificate of Deposit": an account (as in a bank) on which interest is usually paid at an agreed upon rate for an specific, agreed upon, time period. For example, 7% for 90 day. Withdrawals of principle are usually not allowed (without penalty) during the term of the agreement.
- (4) "Loan Account": an account (as in a bank) reflecting money lent at interest.
- (5) "Discount Loan Account": an account (as in a bank) reflecting money lent at interest where the interest to be charged during the term on the loan is computed at the time the money is lent and added to the amount borrowed to determine the amount of the loan. The borrower receives as proceeds, the amount of the loan less the pre-computed interest (the discounted amount);
- (6) "Simple Interest Loan Account": an account (as in a bank) reflecting money lent at interest where interest charged is computed and added to the balance of the note on a daily basis using a daily interest rate factor.
- (7) "Laser Notice File": a data file containing customer notices (interest paid, NSF checks, payments due, etc.) formatted for printing on a laser printed.
- (8) "NSF Check": a check presented payment on an account against which the depositor can draw checks when there are not sufficient funds in the account to pay the check.
- (9) "Predeterminable Time Increment Basis": For example, daily at a set time each day.
- (10) "Officer Order": account information sorted in order of the initial of the bank officer assigned to the account (rather than in another order such as account number).
- (11) CSV attachments: (comma separated values) information in a computer data file where each file record contains several data elements each separated by a comma. The comma marks the end of one data element and the beginning of another.

- [illegible]

SUMMARY OF THE INVENTION

The present invention provides a method, system and article of manufacture incorporating a financial institution computer system for extracting financial data within a data base in the computer system and for formatting the data and thereafter transmitting the formatted data via electronic mail. Electronic information is maintained on financial accounts of a customer within the data base in the financial institution computer system. The electronic information is processed within the data base to identify and extract pre-selected data therefrom. The data is electronically formatted for transmission to the customer via electronic mail. The formatted data is transmitted to a location designated by the customer via electronic mail for storage within and readout on a computer system of the customer.

The financial institution preferably is a bank. As used herein, the computer system may include a computer server, one or more personal computers and any other electronic computer system well known to those skilled in the art and utilized in financial institutions for the maintaining of electronic information pertaining to checking, savings, certificates of deposit, loan accounts, and the like. Electronic information is processed to identify and extract pre-selected data therefrom, such as mini trial balances for checking accounts, savings accounts, certificates of deposit, loan accounts, and discount loan accounts, simple interest loan accounts, and any and all other special service accounts of the financial institution for each of its customers. The information is electronically formatted such as by use of a "WINDOWS" type computer operating system including menu selections for customers, options, verify files, enable auto e-mail, generate e-mail, broadcast, help and exit.

A customer setup configuration is generated through sorting of the data field in the computer for each customer in at least one of the following fields sorted by file within the computer: account number;

reference number; account name; account type; balance for designated accounts; transactions for designated accounts; non-sufficient funds designation; and day or date of report transmission.

DESCRIPTION OF THE ILLUSTRATIONS

Fig. 1 is a printout of a sample or representative e-statement illustrating the preferred layout and configuration of the report generated in accordance with the present invention.

Fig. 2 is a view of the main menu for generating the e-mail report of the preferred embodiment of the invention in WINDOWS[®] format as it would appear on a personal computer CRT or screen.

Fig. 3, similar to the illustration of Fig. 2, is an illustration of the customer's selection, 39, from the main menu.

Fig. 4, is an illustration of the view of the customer set-up generated by selection at the add/edit button 56.

Fig. 5 is a view similar to that of Fig. 4 showing the customer account set up configuration which will appear by activating the accounts button 68 shown in Fig. 4.

Fig. 6 is a view similar to the previous figures illustrating a sub-menu option of "change report path" and "change loan data path" by clicking onto the options field 40 illustrated in Fig. 2.

Fig. 7 is a view similar to the other figures of the sub-menu option for "change system information" resulting from scrolling at 107 in the sub-menu option illustrated in Fig. 6.

Fig. 8 is a view similar to the previous views of the sub-menu option of "Edit Auto E-Mail Settings" by scrolling at 107 in the sub-menu illustrated in Fig. 6.

Fig. 9 is yet another sub-menu option which may be position by again scrolling at 107 on the sub-menu profile of Fig. 6.

Fig. 10 is a view of yet another sub-menu option of "Edit Transaction Codes" which may be selected by again scrolling at 107.

Fig. 11 is an illustration of the selection on the main menu of "enable auto e-mail" and "disable auto e-mail", field 42 as illustrated in Fig. 2.

Fig. 12 is yet another illustration of another main menu selection in the "broadcast" field 44 of Fig. 2.

Fig. 13 illustrates the method of the generation of the e-statement in logic and step format.

Fig. 14 is a view similar to Fig. 13 illustrating the sub-program of "make statements".

Fig. 15 is a view similar to Figs. 13 and 14 showing another sub-program pertaining to reading of the

5 loans files.

Fig. 16 is a view similar to Figs. 13 through 15 showing the logic and step path for the reading of deposit trial balances files.

Fig. 17 is yet another logic/step view similar to Figs. 13 through 16 of the sub-program of reading transactions and NSF (non-sufficient funds) files.

10 Figs. 18A through 18D together constitute an illustration of a representative printout of a detailed statement generated in accordance with the present invention, and as built from data input as illustrated in Figs. 2 through 12 in accordance with the description in the specification relating thereto.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

Now with reference to Fig. 1, there is shown a sample of an e-statement preferred format 1 which is transmitted electronically from the financial source, through a computer via conventional e-mail Internet services.

5 The statement 1 may appear upon a computer screen, or the like, and/or may be printed out in any tangible format. As shown, the e-statement 1 contains a first line 2 containing the title and the source of the statement and any advertising or promotional or legal notice requirements, such as "Member FDIC". A date line 3 is provided for specifying the statement generation date and time of generation. As shown, the statement 1 has a statement generation field 3 specifying that it is generated "as of close of business Monday Oct. 16, 2000". A salutation/description line 4 brings the attention of the reader to the subject matter of the e-statement 1.

Fields 5, 6 and 7 are clustered on one line to identify the type of account, and the digitized account number 6, which may have one or more sub-fields in "x"ed or other disguising configuration, for security purposes. Field 7, as shown, describes the account as "Household Account".

Below the field lines 5, 6 and 7 are found the Available Balance field 8 and the Exact Balance field 9 as of the date of the generation of the e-statement 1, reflected in field 3.

A field 10 is identified as "Last Deposit", giving the amount field 11 in numbers, and an "as of" or "on" field 12 for identifying the date of the last deposit 10 which may or may not, be the same date as the generation date 3 of the e-statement 1.

20 Field 13 specifies the transactions for the account identified in field 6 by date 14, serial or transaction number 15, amount 16 and transaction source and type 17. As shown, under the date field 14, three transactions, 18, 19 and 20 are shown for Oct. 16, 2000 with each being identified by a separate serial number 15. Each of the amounts 16 for the transactions 18, 19 and 20 are identified and described in the transaction

identification field 17, such as a check, ACH, debit or a VISA[®] banking credit or debit card, well known to those skilled in the art.

The e-statement 1 also has a similar information in fields for another account 22 which is identified in field 1 as a "savings account" and further identified in description field 23 as a "Household Savings Account".

5 An available balance field 24 similar to that in field 8 is shown for the savings account 21 in a specific monetary amount at field 25. A last deposit field 26 indicates, as shown, an amount of \$2,000 in field 27 deposited to the account on Oct. 13, 2000 as shown in field 28.

10 Again, particular transactions for the account are shown in field 26 with the account being respecified in field 27. The transactions are identified along field line 29 by date, field 30, serial number, field 31, amount, field 32 and transaction source and type, field 33. The date is provided in field 34 with the serial number identification field 35 and the specified amount of the transaction in the amount field 36. In field 37, the transaction is identified as a "withdrawal", the amount of \$40.00, field 36.

15 The e-statement 1 may be provided in a number of formats, with figure 1 being only representative of an arrangement of the accumulation of the financial data in the statement format 1.

20 The operation of the e-statement method and program will now be described. Figures 2 through 12 illustrate various computer generated video screen or CRT displays of various menu selections incorporated within a preferred program for the e-statement process. As shown, and as previously described, the program is preferably generated through the computer by means of a WINDOWS[®] computer operating system which is well known and generally publically available in numerous versions.

25 With first reference to Fig. 2, a main menu 38 is displayed. The main menu has sub-menus identified as customers 39, options 40, verify files 41, enable auto e-mail 42, generate e-mail 43, broadcast 44 and general help fields or sub-menus 45 and exit field 46.

The customer's menu or field 39 is more particularized in Fig. 3 and discussed hereafter in detail. In this customer's field 39, a customer's name, e-mail address and account information are entered or changed, from time to time.

The main menu 38 also contains an option field 40 for the purpose of changing certain program options such as the directory path to reports, default fonts and graphics for statements, auto e-mail settings, and to define core processor transaction codes, and the like.

The verify files field 41 assures verification that all files which are needed to generate a current days e-statements have been downloaded from the financial source core computer processor.

The enable auto e-mail field 42 is used to turn on or off any program feature monitoring the progress of the daily report downloads from the financial organization's core computer processor. Additionally, this field 42 generates e-statements as soon as all required reports have been received and processed just prior to generation of the e-statement configuration to the customer.

The generate e-mail field 43 is utilized to generate a current day's, week's or months e-statements which may be prepared and sent on any incremental time basis. This field 43 is a manual request field. The program itself verifies to confirm that all required report files are available. However, if some required reports are not available or are incomplete, the program allows the user the option to continue or abort the request through activation of the generate e-mail field 43 as shown and described in more detail in Fig. 9 and discussion relating thereto.

The broadcast field 44 is utilized to send an e-mail message to all or a selected group of customers receiving e-statements to announce changes, delays, modifications, or any other material information which is desired to be generated and transmitted to a select number of customers.

The help menu selection field 45 is conventional in nature and is provided for purposes of immediate computer program operating assistance.

Finally, the exit program or field 46 may be utilized for click-on to return to the original WINDOWS® desktop configuration after termination of entry into the program.

5 Now with particular reference to Fig. 3, the customer's sub-program or field 39 in the main menu 38 will now be described. As shown in Fig. 3, the customer's field 39 is shown in spreadsheet configuration. Fields 50 through 54 are entered in negative/zero configuration where the negative is reflective of a "true" state and a "0" is indicative of a false state, as further described below. Sub-fields 47 through 55 are displayed across the spreadsheet in a horizontal configuration. The "Id" field permits entry of a unique number or code correlated to a single customer. Within the customer name field 48 are listed the individual customer names, by individual or business. The e-mail address field is horizontally displayed adjacent the customer name field 48 which is followed by fields 50-54 for a specific service information. For example, "CHRG" field 50 is a field indicating whether or not the customer is to be charged for the service of providing the e-statement. A negative number in this field 50 would indicate that the customer is to be charged for the e-mail statement service. The "CONF" field 51 is utilized to verify that the customer has returned the confirmation of the e-mail address. The "SUSP" field 52 is utilized to indicate possible temporary or permanent suspension of the service for this particular customer. The "No Ad" field 53 is utilized to indicate whether or not electronic advertising is to accompany the e-statement with transmission to this particular customer. The "Rate" field 54 is utilized to indicate the transmission of various interest rates being paid to customers on deposit accounts or charged to customer on loan accounts by the bank.

The "Add/Edit" button 56 is a click field which will allow the program user to add a new customer, to delete a customer, or change any of the information about the customer in any of the fields 47 through

55. Selecting this button 56 with a customer's information highlighted will display that customer's information for editing purposes. Selecting this button without a customer's information highlighted will display the first customer's information for editing purposes, or , alternatively, the last customer's information for such purposes, as described below. The "Close" button 57 will, of course, return the program to the main menu display, as in Fig. 2.

The Add/Edit button 56 window display is particularized in Fig 4. Fields 47 through 54 are displayed vertically and correspond to the horizontal configuration for such fields in Fig. 3. The address name field 48 may be filled in by a click-on and type in of the data in field 48A. Likewise, the e-mail address field 49 may be clicked on to insert such information in field 49A. As indicated, charge and confirmed fields 50 and 51 are positively indicated by click-on at fields 58 and 59. Fields 60, 61 and 62 likewise are that they are click-checked or the field left blank, as the case requires. The sort name field 63 is filled in at corresponding field 64 by use of first, last or code names, as required. The Add button 65 is conventional and clears all the fields and sets them to their default value thus allowing the entry of a new customer's information, or update of such information. Likewise, the delete button 66 deletes the displayed customer from the field. When the delete button 66 is utilized, no additional e-statement will be generated for that particular customer. The update button 67 is utilized to update the customer's information with the contents displayed on the screen, Fig. 3, Fig. 4, or adds a new customer to the database after the information has been entered. The Account button 68 allows the program user to add or edit account information for the customer currently being displayed. The Close button 69 closes the window display Fig. 4 to return to the display format of Fig. 3.

Now with reference to Fig. 5, there is shown the statement account display which allows the program user to add or edit account information for the customer currently being displayed in particular

fields. The Account field 70 is entered in space 71 in alpha numeric format from the financial systems main computer processing unit. This number is assigned at the time the account is opened, such as a purchase of a certificate of deposit, or completion of a loan transaction. A limited number of digits for the account number field 71 are permitted to be displayed on the e-statement or account attachments as illustrated in Fig. 1, for security purposes. The reference number field 72 is entered in space 73 from the financial organization's main computer and this number may, or may not, be the same as the account number 71, depending upon the particular operations of the bank's central computer processing system. However, the number in the field 73 is never displayed or printed on the e-mail statements or account statement attachment due to a computer block for printout of this particular number, also for security purposes.

The account name field 74 is filled in at space 75 as it will appear on the customer's e-statement, as in Fig. 1. This can be any name which is meaningful to the customer. For security reasons it should not be the customer's actual account name and preferably will be, as reflected in the e-statement of Fig. 1, identified as "Household Account" or "Regular Checking", or the like. The customer will be able to identify the respective accounts by the last four digits of the account number, as printed, and not particularly with reference to the specific name in the field 75. The account type field 76 is entered at 77 by scrolling on button 78 for one of a number of account types reported on the program, such as checking, savings, certificate of deposit, commercial loan, consumer loan, line of credit, revolving account, or the like.

The reports balance field 79 is checked in the adjacent area if the balance of the account is to be reported each day, week, month, or the like, along with certain other information specific to each account type.

The scroll down button 78 may be clicked on to select one of a number of account type 76 in field 77, such as checking accounts, savings accounts, loans, certificates of deposits, and the like.

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If the report balance field 79 is checked in the appropriate location, supplemental information for the various types of accounts as indicated in the field 77 will be generated and included within the e-statement. For example, if checking accounts is scrolled into the field 77 by click-on to the arrow button 78, current balance, available balance, date of last deposit, amount of last deposit, posted transactions and NSF (None Sufficient Funds) Items will be generated. If "Loans" is scrolled into the field 77, current balance, interest rate, payment amount, last payment due, next due date, maturity date, payoff balance, interest year-to-year and collateral description information will also be generated. If savings accounts is scrolled into the field 77, available balance, date last deposit, amount of last deposit and posted transactions will be generated into the e-statement automatically. If certificates of deposit are entered into the field 77, current balance, next payment date and accrued interest information will be generated.

If the report transactions field 80 is checked, all transactions posted to the account will be listed in the e-statement along with other information, as described above.

If the report NSF field 81 is checked, any debit, such as a check, or the like, presented for payment when the account does not have sufficient funds to pay the debit will be reported, so that the customer may make provision for supplemental or immediate deposits, or the like or transfer of other funds into the account. NSF Items appear before any other account information on the e-statements as an alert courtesy to the customer. This option is, of course, valid for only checking accounts or accounts similar to conventional checking accounts.

The attached statement field 82 is checked if it is desired for any statement produced for the account by the bank's core processing computer system to be added to the e-statement as an attachment. Integrated statements, i.e., those with more than one account on a single statement, may be attached only once, if desired. The extract ASCII field 83 is checked if it is desired to generate an ASCII text file each

day that there are transactions for an account and attached to that day's e-statement. This file can be imported into many different accounting programs for account reconciliation operations, as desired.

The extract Qwicken™ field 84 is checked if a file in Qwicken™ format is to be created each day there are transactions for an account and attached to that day's e-statement for transmission to the customer. This file can be imported into Qwicken™ for account reconciliation. The report on given days, such as Monday through Friday's fields 85 through 89 are checked for generation of e-statement for that particular day. For example, the customer may only want certificate of deposit or loan information on a weekly basis since these accounts customarily have limited transactions, whereas checking accounts may have transactions on them several times each day. In such case, a report may be generated for each day of the week by checking in the appropriate fields 85 through 89. Alternatively, field 90 may be checked if a report is to be generated only on a monthly basis and field 91 is completed to indicate on the day of such month that the e-statement is to be generated and transmitted to the customer.

Field 98 is the "Last Statement" field and appears at the upper right hand corner of the window. This field is the date of the last statement generated for the account and is utilized for information purposes only. Add, delete, update and previous and next buttons 92 through 96 are provided for respective adding, deleting, updating, or moving to previous and next displays, in conventional format. Likewise, the Close button 97 is provided to close the window and return to the previous format.

Fig. 6 represents the visual configuration of the program appearing on the CRT or other screen from the main menu selection of options 40. Fig. 6 is illustrated with the change report path and change loan data path submenu options preparing in the window. These options allow the program user to designate the full path name to the directory where the computer download financial report files from the core computer are downloaded at the end of each day, the like. As shown on Fig. 6, the correct report

download directory may be selected by either clicking on to a location field 106 or by entry of the file name 99 in field 100 or by scrolling at 107 for designation in the field 104 of the files of type 103 and then clicking to the open button 101. The selection may be cancelled by clicking at 102 prior to opening the file at 101. Opening the file 101 will change the path to the files in the windows registry. The report path and the loan data path typically will be identical.

As shown in Fig. 7, another submenu option is the "change system information" option. This submenu option permits the program user to change some of the program options, as provided. The system name field 108 will permit entry at location 109 of the brand name used for the title of the statement, such as "E-Statement". Other service mark titles may be utilized as desired. The name which is entered and placed in the field 109 will be used on all customer e-mail that is generated.

The bank name field 110 identifies the supplier of the service at 111 and is entered in the e-statement in the "from" field (see Fig. 1). The statement font size 112 is entered in space 113 which will be the font size used in the account statements created as attachments.

The statement graphic field 114 is inserted at 115 if a valid graphic file name is to be entered and the graphic will be added to the upper left hand corner of the statement attachments, to include a logo, or the like in the e-statement configuration transmitted to the customer. The browse button 116 is used to select reference to a graphic file, which may be created as needed. The save button 117 may be used to save the currently displayed program settings and close the window to return to the main menu. Likewise, the close button 118 will close the window and return to the main menu without saving any changes.

As shown in Fig. 8, another submenu option is the "Edit Auto E-Mail Settings". This submenu option will allow the program user to change the time to begin the e-statement generation each day, and a number of minutes between attempts to automatically generate e-statement through the computers and

the internet to receipt by the customer, if all reports needed are not available at the time of initial desired generation.

The "begin e-mail" function 120 time is entered in space 121 by scrolling up or down on buttons 122, 123. This time is the time that the computer is instructed to begin trying to generate and send the day's e-statement. The minutes between attempts field 124 is selected and entered at 125 by scroll up or down at buttons 126 and 127 to reflect the time in between attempts to try to generate such e-statement because downloads from a core data processing system may take several minutes or even hours. If all of the reports are not completely downloaded, continual repetitious checks for the reports may not be successful. Therefore, by increasing the time between checks, a computer processing usage can be limited and e-statement may be generated in a reasonable time after the last report is received.

Save and cancel button 128 and 129 are utilized to either save the currently displayed program setting and close the window and return to the main menu or to close the window and return to the main menu without saving such information.

The program contemplates and enable/disable submenu option, which is used only during testing. Disabling users will check the "Suspend" option for each e-statement customer except the customer whose customer ID is a specific number, such as "10". This will allow the program user to test new program settings, while sending e-statements to only one customer, such as a staff member of the financial organization. Selecting "enable" will return all customer's to their previous suspended status.

The next submenu option is illustrated in Fig. 9 and provides the set up and screen profile for the generation of the selected e-statement. This submenu option allows the user to generate the selected portions of the daily e-statements generated by the financial organization main computer as well as to attach a personal message. This submenu may be used to send information of a special nature that may

not have been available at the time that the e-statements were generated on a daily, weekly or other basis. Fields 130 through 135 may be checked by appropriate click for balance information, transactions, loan information, statement attachments, CSV attachments or Qwicken™ attachments. Field 136 may be used for personal messages. After completion of this option, the continue button is click at 37 or the operation may be cancelled by clicking at 138.

Fig. 10 illustrates another submenu option generally referred to as “edit tran codes”. This submenu allows the operator to provide descriptions used in the e-statement for the different type of transactions posted to deposit and/or loan accounts. A transaction code field 139 is typed in in area 140 and corresponds to a pre-determined code in the computer for a given transaction type and is assigned by the main data processor. A description field 140 is used for insertion of an identification if the title of the transaction code, such as “new account opening deposit” at area 141. A debit field 142 may be checked at location 143 to indicate that the transaction code is for a debit transaction, such as a check or an ACH debit for insurance, car payment or the like. The add button 144 clears the content of all the fields and resets them to their default value enabling the program user to enter a new transaction code, when desired. Likewise, the delete button 145 will delete the information for the currently displayed transaction code. The refresh button 146 is used to realign all the transaction codes in numerical order. This button may be used after a new transaction code has been entered to get it in the proper numeric sequence for viewing. The update code 147 is used to update information with the contents displayed on the screen or may be used to add a new transaction code to the database after the transaction code’s information has been entered.

The close button 148 will close the window and return to the previous screen. Arrow keys 149 and 150 will function as “next” and “previous” buttons for displaying or scrolling from one transaction code to the next as reflected in field 151.

Now returning to referred Fig. 2, the verify files field 41 is used to verify that all necessary files are available to produce the day's e-statements. Each of these files is given a specific code and they're contained within the main or core computer system. Typically, and preferably, these files will include the following:

1. Daily checking account mini-trial balance.
2. Daily savings account mini-trial balance.
3. Daily certificate of deposit account mini-trial balance.
4. Daily loan account mini-trial balance.
5. Daily discount loan trial balance.
6. Daily simple interest loan trial balance.
7. Daily customer's without account trial balance.
8. Daily posting journal containing all posted transactions for all account types in account number order.
9. Daily posting journal containing posted transactions for all account types in amount order.
10. Daily file containing all statements printed the previous.
11. A laser notice file.
12. The daily NSF checks notices in officer order (including copy).

If all the files are not present in the downloaded director, a message to that affect will be displayed on the screen. If they are not, a message showing each missing file is displayed as it is check. Several of the files listed above are not used for information but the presence of the file indicates completion of certain downloading steps.

Fig. 11 is a main menu selection display for enablement and disablement of automatic e-mail generation. This function eliminates a need for a program user to remember to generate the e-statement each day at a certain time. When the program is running and auto e-mail is enable, the program monitors the time of day. When the selected time is reached, such as reflected in the next schedule field 152 reflected in area 153, it checks to see if all reports needed have been downloaded. If they have, the program generates the daily e-statements and waits another 24 hours, or other time designed period, before repeating the operation. If not, the program will repeat checking every few minutes or other time increments until all the files have been downloaded. During the waiting phase, the display is as shown in Fig. 11. The last complete field 150 shows a date and time in the area 151 for the last completed cycle. The next schedule field 152 is completed in area 153 to show beginning of the next cycle for the generation of the e-statements. The last attempt field 154 will automatically reflect in area 155 a "complete" or "waiting" indicator. The missing files area 156 will automatically reflect in location 157 the number or identification of files that are missing and are required for the complete generation of the e-mail statement. Finally, current time in field 158 is reflected in area 159.

Fig. 12 reflects the view on the screen of the main menu selection for "broadcast". The broadcast field is identified as "send to" at 160 and a list of selected classification of users, such as "all paying users" may be reflected and selected in area 161 by scrolling on 162. The subject of the broadcast is identified at field 163 in area 164, such as "monthly charges". A message describing the subject is reflected in the field 164 may be manually inserted in a message are 165 and sent to the selected grouping of customers designated in 161 by clicking on the send 166. Alternatively, the message and the broadcast maybe cancelled by clicking at 167 which will return the user to the main menu.

The software preferably utilized to implement the present invention may be any one of a comparatively low level machine code, such as visual basic. The logic and sub-routines utilized to form the e-statement method disclosed in Figs. 1 through 14 is set forth below:

frm About - 1

5 Option Explicit

' Reg Key Security Options...

Const KEY_ALL_ACCESS = &H2003F

' Reg Key ROOT Types...

10 Const HKEY_LOCAL_MACHINE = &H80000002

Const ERROR_SUCCESS = 0

Const REG_SZ = 1 ' Unicode nul terminated string

Const REG_DWORD = 4 ' 32-bit number

15 Const gREGKEYSYSINFOLOC = "SOFTWARE\Microsoft\Shared Tools Location"

Const gREGVALSYSINFOLOC = "MSINFO"

Const gREGKEYSYSINFO = "SOFTWARE\Microsoft\Shared Tools\MSINFO"

Const gREGVALSYSINFO = "PATH"

20 Private Declare Function RegOpenKeyEx Lib "advapi32" Alias "RegOpenKeyExA" (ByVal hKey As Long, ByVal lpSubKey As String, ByVal ulOptions As Long, ByVal samDesired As Long, ByRef phkResult As Long) As Long

Private Declare Function RegQueryValueEx Lib "advapi32" Alias "RegQueryValueExA" (ByV

```
al hKey As Long, ByVal IpValueName As String, ByVal IpReserved As Long, ByRef IpType
As Long, ByVal IpData As String, ByRef lpcbData As Long) As Long
Private Declare Function RegCloseKey Lib "advapi32" (ByVal hKey As Long) As Long
```

```
5 Private Sub Form_Load()

    Me.Caption = "About" & " " & SystemName

    lblVersion.Caption = "Version " & App.Major & "." & App.Minor & "." & App.Revision

    lblTitle.Caption = App.Title

End Sub
```

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```

```
Private Sub cmdSysInfo_Click()

    Call StartSysInfo

End Sub
```

```
Private Sub cmdOK_Click()

    Unload Me

End Sub
```

```
20 Public Sub StartSysInfo()

    On Error GoTo SysInfoErr

    Dim rc As Long
```

Dim SysInfoPath As String

' Try To Get System Info Program Path\Name From Registry...

If GetKeyValue(HKEY_LOCAL_MACHINE, gREGKEYSYSINFO, gREGVALSYSINFO, SysInfoPath) T

5 hen

' Try To Get System Info Program Path Only From Registry...

ElseIf GetKeyValue(HKEY_LOCAL_MACHINE, gREGKEYSYSINFOLOC, gREGVALSYSINFOLOC, SysI
nfoPath) Then

' Validate Existence Of Known 32 Bit File Version

10 If (Dir(SysInfoPath & "MSINFO32.EXE") <> "") Then

 SysInfoPath = SysInfoPath & "MSINFO32.EXE"

' Error - File Can Not Be Found...

Else

15 GoTo SysInfoErr

End If

' Error - Registry Entry Can Not Be Found...

Else

 GoTo SysInfoErr

20 End If

frmAbout - 2

Call Shell(SysInfoPath, vbNormalFocus)

5

Exit Sub

SysInfoErr:

MsgBox "System Information Is Unavailable At This Time", vbOKOnly

End Sub

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Public Function GetKeyValue(KeyRoot As Long, KeyName As String, SubKeyRef As String,
ByRef KeyVal As String) As Boolean

Dim i As Long ' Loop Counter

Dim rc As Long ' Return Code

Dim hKey As Long ' Handle To An Open Regis

try Key

Dim hDepth As Long '

Dim KeyValType As Long ' Data Type Of A Registry

Key

20 Dim tmpVal As String ' Tempory Storage For A R

egistry Key Value

Dim KeyValSize As Long ' Size Of Registry Key Va

riable

'-----

' Open RegKey Under KeyRoot {HKEY_LOCAL_MACHINE...}

'-----

rc = RegOpenKeyEx(KeyRoot, KeyName, 0, KEY_ALL_ACCESS, hKey) ' Open Registry Key

5

If (rc <> ERROR_SUCCESS) Then GoTo GetKeyError ' Handle Error...

tmpVal = String\$(1024, 0) ' Allocate Variable Space

KeyValSize = 1024 ' Mark Variable Size

10

'-----

' Retrieve Registry Key Value...

'-----

rc = RegQueryValueEx(hKey, SubKeyRef, 0, KeyValType, tmpVal, KeyValSize) ' Get

15

/Create Key Value

If (rc <> ERROR_SUCCESS) Then GoTo GetKeyError ' Handle Errors

tmpVal = VBA.Left(tmpVal, InStr(tmpVal, VBA.Chr(0)) - 1)

20

'-----

' Determine Key Value Type For Conversion...

'-----

Select Case KeyValType ' Search Data Types...

' Close Registry Key

| General information | |
|--|-------------------|
| Parameter | Value |
| Study name | Study 1 |
| Study ID | 123456789 |
| Study version | 1.0 |
| Study status | Completed |
| Study start date | 2023-01-01 |
| Study end date | 2023-12-31 |
| Study location | USA |
| Study sponsor | ABC Corp |
| Study investigator | Dr. John Doe |
| Study principal investigator | Dr. John Doe |
| Study sponsor contact | 123456789 |
| Study investigator contact | 987654321 |
| Study principal investigator contact | 123456789 |
| Study sponsor email | 123456789@abc.com |
| Study investigator email | 987654321@abc.com |
| Study principal investigator email | 123456789@abc.com |
| Study sponsor phone | 123456789 |
| Study investigator phone | 987654321 |
| Study principal investigator phone | 123456789 |
| Study sponsor fax | 123456789 |
| Study investigator fax | 987654321 |
| Study principal investigator fax | 123456789 |
| Study sponsor website | 123456789.com |
| Study investigator website | 987654321.com |
| Study principal investigator website | 123456789.com |
| Study sponsor address | 123456789 |
| Study investigator address | 987654321 |
| Study principal investigator address | 123456789 |
| Study sponsor city | 123456789 |
| Study investigator city | 987654321 |
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| Study sponsor state | 123456789 |
| Study investigator state | 987654321 |
| Study principal investigator state | 123456789 |
| Study sponsor zip | 123456789 |
| Study investigator zip | 987654321 |
| Study principal investigator zip | 123456789 |
| Study sponsor country | 123456789 |
| Study investigator country | 987654321 |
| Study principal investigator country | 123456789 |
| Study sponsor language | 123456789 |
| Study investigator language | 987654321 |
| Study principal investigator language | 123456789 |
| Study sponsor currency | 123456789 |
| Study investigator currency | 987654321 |
| Study principal investigator currency | 123456789 |
| Study sponsor time zone | 123456789 |
| Study investigator time zone | 987654321 |
| Study principal investigator time zone | 123456789 |
| Study sponsor date format | 123456789 |
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| Study principal investigator date format | 123456789 |
| Study sponsor time format | 123456789 |
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| Study sponsor decimal separator | 123456789 |
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| Study sponsor file separator | 123456789 |
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| Study principal investigator file separator | 123456789 |
| Study sponsor path separator | 123456789 |
| Study investigator path separator | 987654321 |
| Study principal investigator path separator | 123456789 |
| Study sponsor url separator | 123456789 |
| Study investigator url separator | 987654321 |
| Study principal investigator url separator | 123456789 |
| Study sponsor email separator | 123456789 |
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| Study principal investigator email separator | 123456789 |
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| Study sponsor website separator | 123456789 |
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| Study sponsor city separator | 123456789 |
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| Study sponsor country separator | 123456789 |
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| Study principal investigator country separator | 123456789 |
| Study sponsor language separator | 123456789 |
| Study investigator language separator | 987654321 |
| Study principal investigator language separator | 123456789 |
| Study sponsor currency separator | 123456789 |
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| Study sponsor list separator separator | 123456789 |
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| Study principal investigator list separator separator | 123456789 |
| | |

frmAbout - 1

VERSION 5.00

5 Begin VB.Form frmAbout

BorderStyle = 3 'Fixed Dialog

Caption = "About eStatement"

ClientHeight = 3630

ClientLeft = 45

ClientTop = 330

ClientWidth = 5865

ClipControls = 0 'False

Icon = (Icon)

LinkTopic = "Form1"

MaxButton = 0 'False

MinButton = 0 'False

ScaleHeight = 3630

ScaleWidth = 5865

ShowInTaskbar = 0 'False

StartPosition = 1 'CenterOwner

Tag = "About Project1"

Begin VB.PictureBox picIcon

AutoSize = -1 'True

BackColor = &H00C0C0C0&

ClipControls = 0 'False

Height = 1260

Left = 60

5 Picture = (Bitmap)

ScaleHeight = 1200

ScaleMode = 0 'User

ScaleWidth = 1200

TabIndex = 2

10 TabStop = 0 'False

Top = 0

Width = 1260

End

Begin VB.CommandButton cmdOK

15 Cancel = -1 'True

Caption = "OK"

Default = -1 'True

Height = 345

Left = 4245

20 TabIndex = 0

Tag = "OK"

Top = 2625

Width = 1467

End

Begin VB.CommandButton cmdSysInfo

Caption = "&System Info..."

Height = 345

5 Left = 4260

TabIndex = 1

Tag = "&System Info..."

Top = 3075

Width = 1452

End

Begin VB.Label lblDescription

Caption = "<...>"

ForeColor = &H00000000&

Height = 1170

Left = 1380

TabIndex = 6

Tag = "App Description"

Top = 1125

Width = 4005

End

Begin VB.Label lblTitle

Alignment = 2 'Center

5 Caption = "eStatement"

BeginProperty Font

Name = "Lucida Calligraphy"

Size = 24

Charset = 0

10 Weight = 400

Underline = 0 'False

Italic = 0 'False

Strikethrough = 0 'False

EndProperty

15 ForeColor = &H00000000&

Height = 480

Left = 1230

TabIndex = 5

Tag = "Application Title"

20 Top = 240

Width = 4095

End

Begin VB.Line Line1

BorderColor = &H00808080&

BorderStyle = 6 'Inside Solid

Index = 1

X1 = 225

5 X2 = 5657

Y1 = 2430

Y2 = 2430

End

Begin VB.Line Line1

BorderColor = &H00FFFFFF&

BorderWidth = 2

Index = 0

X1 = 240

X2 = 5657

Y1 = 2445

Y2 = 2445

End

Begin VB.Label lblVersion

Alignment = 2 'Center

Caption = "Version"

Height = 225

Left = 1260

TabIndex = 4

Tag = "Version"

Top = 780

Width = 4095

End

5 Begin VB.Label lblDisclaimer

Caption = <...>

ForeColor = &H00000000&

Height = 825

Left = 255

TabIndex = 3

Tag = "Warning: ..."

Top = 2625

Width = 3870

End

End

frmAccounts - 1

Option Explicit

5 Dim Ds As Recordset, SQL As String

Sub ClearFields()

txtFields(0) = ""

txtFields(1) = ""

txtFields(2) = ""

10 txtFields(3) = ""

Combo1.ListIndex = 0

chkFields(3) = 1

chkFields(4) = 1

chkFields(5) = 1

15 chkFields(6) = 1

chkFields(1) = 0

chkFields(0) = 0

chkDays(1) = 1

chkDays(2) = 1

20 chkDays(3) = 1

chkDays(4) = 1

chkDays(5) = 1

chkDays(6) = 0

txtFields(4) = ""

lblLabels(11) = ""

Screen.MousePointer = 0

5 End Sub

Sub LoadData()

With tblAccounts

txtFields(0) = ![User ID]

txtFields(1) = ![Account Number]

10 txtFields(2) = ![Reference Number]

txtFields(3) = ![Name]

If Trim\$(![Account Type]) = "Checking" Then Combo1.ListIndex = 0

If Trim\$(![Account Type]) = "Savings" Then Combo1.ListIndex = 1

If Trim\$(![Account Type]) = "CD" Then Combo1.ListIndex = 2

15 If Trim\$(![Account Type]) = "Loan" Then Combo1.ListIndex = 3

chkFields(3) = Abs(![Report Balance])

chkFields(4) = Abs(![Report Transactions])

chkFields(5) = Abs(![Report NSF] = True)

chkFields(6) = Abs(![Attach Statement])

20 chkFields(1) = Abs(![Extract ASCII])

chkFields(0) = Abs(![Extract Qwicken])

chkDays(1) = Abs(![Monday])

chkDays(2) = Abs(![Tuesday])

chkDays(3) = Abs(!Wednesday)

chkDays(4) = Abs(!Thursday)

chkDays(5) = Abs(!Friday)

chkDays(6) = Abs(![Monthly Only])

5 txtFields(4) = ![Monthly Day] & ""

lblLabels(11) = Format\$(![Last Report], "mm/dd/yyyy")

End With

Screen.MousePointer = 0

10 On Error Resume Next

txtFields(1).SetFocus

On Error GoTo 0

End Sub

15 Private Sub cmdAdd_Click()

ClearFields

txtFields(0) = CurrentID

txtFields(1).SetFocus

End Sub

20

Private Sub cmdDelete_Click()

```
If MsgBox("Delete this account?", vbYesNo + vbQuestion, "DELETE ACCOUNT") <> vbYes
```

```
5 Then Exit Sub
```

```
tblAccounts.Seek "=", txtFields(0), txtFields(1)
```

```
If tblAccounts.NoMatch = False Then
```

```
tblAccounts.Delete
```

```
ClearFields
```

```
10 tblAccounts.Seek ">=", CurrentID, 0
```

```
If tblAccounts![User ID] = CurrentID Then
```

```
LoadData
```

```
End If
```

```
End If
```

```
15 End Sub
```

```
Private Sub cmdNExt_Click()
```

```
On Error Resume Next
```

```
tblAccounts.MoveNext
```

```
20 If Err > 0 Or tblAccounts.EOF Then tblAccounts.Seek ">=", CurrentID, 0: If tblAccount
```

```
s.EOF Then Exit Sub
```

```
If tblAccounts![User ID] > CurrentID Then tblAccounts.Seek ">=", CurrentID, 0
```

```
If tblAccounts![User ID] = CurrentID Then
```

ClearFields

LoadData

End If

End Sub

5

Private Sub cmdPrevious_Click()

tblAccounts.MovePrevious

If Err > 0 Or tblAccounts.BOF Then tblAccounts.Seek "<=", CurrentID, 999999999#

If tblAccounts![User ID] > CurrentID Then tblAccounts.Seek "<=", CurrentID, 999999999

9#

If tblAccounts![User ID] = CurrentID Then

ClearFields

LoadData

End If

End Sub

Private Sub cmdUpdate_Click()

tblAccounts.Seek "=", txtFields(0), txtFields(1)

If tblAccounts.NoMatch Then tblAccounts.AddNew Else tblAccounts.Edit

With tblAccounts

![User ID] = txtFields(0)

![Account Number] = txtFields(1)

![Reference Number] = txtFields(2)

![Name] = txtFields(3)

![Account Type] = Combo1

![Report Balance] = (chkFields(3) = 1)

5 ![Report Transactions] = (chkFields(4) = 1)

![Report NSF] = (chkFields(5) = 1)

![Attach Statement] = (chkFields(6) = 1)

![Extract ASCII] = (chkFields(1) = 1)

![Extract Qwicken] = (chkFields(0) = 1)

10 ![Monday] = (chkDays(1) = 1)

![Tuesday] = (chkDays(2) = 1)

![Wednesday] = (chkDays(3) = 1)

![Thursday] = (chkDays(4) = 1)

![Friday] = (chkDays(5) = 1)

15 ![Monthly Only] = (chkDays(6) = 1)

If ![Monthly Only] Then

 ![Monthly Day] = Val(txtFields(4))

Else

 ![Monthly Day] = 0

20 End If

End With

frmAccounts - 3

tblAccounts.Update

5 Screen.MousePointer = 0

txtFields(1).SetFocus

End Sub

Private Sub cmdClose_Click()

Screen.MousePointer = vbDefault

Unload Me

End Sub

Private Sub Form_Load()

Me.Caption = SystemName & " " & Me.Caption

ClearFields

txtFields(0) = CurrentID

20 tblAccounts.Index = "UserAccount"

tblAccounts.Seek ">", CurrentID, 0

If tblAccounts.NoMatch = False Then

If tblAccounts![User ID] = CurrentID Then LoadData

| Variable | Mean | SD | Min | Max |
|---------------------|------|------|-----|-----|
| Age | 34.2 | 10.5 | 18 | 65 |
| Gender | 1.0 | 0.0 | 0 | 1 |
| Marital status | 1.0 | 0.0 | 0 | 1 |
| Education | 12.5 | 1.5 | 9 | 16 |
| Income | 1.5 | 0.5 | 1 | 3 |
| Occupation | 1.0 | 0.0 | 0 | 1 |
| Religion | 1.0 | 0.0 | 0 | 1 |
| Health status | 1.0 | 0.0 | 0 | 1 |
| Smoking status | 1.0 | 0.0 | 0 | 1 |
| Alcohol consumption | 1.0 | 0.0 | 0 | 1 |
| Exercise frequency | 1.0 | 0.0 | 0 | 1 |
| Stress level | 1.0 | 0.0 | 0 | 1 |
| Sleep quality | 1.0 | 0.0 | 0 | 1 |
| Appetite | 1.0 | 0.0 | 0 | 1 |
| Weight change | 1.0 | 0.0 | 0 | 1 |
| Blood pressure | 1.0 | 0.0 | 0 | 1 |
| Cholesterol level | 1.0 | 0.0 | 0 | 1 |
| Glucose level | 1.0 | 0.0 | 0 | 1 |
| Hemoglobin A1c | 1.0 | 0.0 | 0 | 1 |
| Medication use | 1.0 | 0.0 | 0 | 1 |
| Compliance | 1.0 | 0.0 | 0 | 1 |
| Quality of life | 1.0 | 0.0 | 0 | 1 |
| Satisfaction | 1.0 | 0.0 | 0 | 1 |
| Overall health | 1.0 | 0.0 | 0 | 1 |

| Variable | Mean | SD | Min | Max |
|---------------------|------|------|-----|-----|
| Age | 34.2 | 10.5 | 18 | 65 |
| Gender | 1.0 | 0.0 | 0 | 1 |
| Marital status | 1.0 | 0.0 | 0 | 1 |
| Education | 12.5 | 1.5 | 9 | 16 |
| Income | 1.5 | 0.5 | 1 | 3 |
| Occupation | 1.0 | 0.0 | 0 | 1 |
| Religion | 1.0 | 0.0 | 0 | 1 |
| Health status | 1.0 | 0.0 | 0 | 1 |
| Smoking status | 1.0 | 0.0 | 0 | 1 |
| Alcohol consumption | 1.0 | 0.0 | 0 | 1 |
| Exercise frequency | 1.0 | 0.0 | 0 | 1 |
| Stress level | 1.0 | 0.0 | 0 | 1 |
| Sleep quality | 1.0 | 0.0 | 0 | 1 |
| Appetite | 1.0 | 0.0 | 0 | 1 |
| Weight change | 1.0 | 0.0 | 0 | 1 |
| Blood pressure | 1.0 | 0.0 | 0 | 1 |
| Cholesterol level | 1.0 | 0.0 | 0 | 1 |
| Glucose level | 1.0 | 0.0 | 0 | 1 |
| Hemoglobin A1c | 1.0 | 0.0 | 0 | 1 |
| Medication use | 1.0 | 0.0 | 0 | 1 |
| Compliance | 1.0 | 0.0 | 0 | 1 |
| Quality of life | 1.0 | 0.0 | 0 | 1 |
| Satisfaction | 1.0 | 0.0 | 0 | 1 |
| Overall health | 1.0 | 0.0 | 0 | 1 |

| Variable | Mean | SD | Min | Max |
|---------------------|------|------|-----|-----|
| Age | 34.2 | 10.5 | 18 | 65 |
| Gender | 1.0 | 0.0 | 0 | 1 |
| Marital status | 1.0 | 0.0 | 0 | 1 |
| Education | 12.5 | 1.5 | 9 | 16 |
| Income | 1.5 | 0.5 | 1 | 3 |
| Occupation | 1.0 | 0.0 | 0 | 1 |
| Religion | 1.0 | 0.0 | 0 | 1 |
| Health status | 1.0 | 0.0 | 0 | 1 |
| Smoking status | 1.0 | 0.0 | 0 | 1 |
| Alcohol consumption | 1.0 | 0.0 | 0 | 1 |
| Exercise frequency | 1.0 | 0.0 | 0 | 1 |
| Stress level | 1.0 | 0.0 | 0 | 1 |
| Sleep quality | 1.0 | 0.0 | 0 | 1 |
| Appetite | 1.0 | 0.0 | 0 | 1 |
| Weight change | 1.0 | 0.0 | 0 | 1 |
| Blood pressure | 1.0 | 0.0 | 0 | 1 |
| Cholesterol level | 1.0 | 0.0 | 0 | 1 |
| Glucose level | 1.0 | 0.0 | 0 | 1 |
| Hemoglobin A1c | 1.0 | 0.0 | 0 | 1 |
| Medication use | 1.0 | 0.0 | 0 | 1 |
| Compliance | 1.0 | 0.0 | 0 | 1 |
| Quality of life | 1.0 | 0.0 | 0 | 1 |
| Satisfaction | 1.0 | 0.0 | 0 | 1 |
| Overall health | 1.0 | 0.0 | 0 | 1 |

| Variable | Mean | SD | Min | Max |
|---------------------|------|------|-----|-----|
| Age | 34.2 | 10.5 | 18 | 65 |
| Gender | 1.0 | 0.0 | 0 | 1 |
| Marital status | 1.0 | 0.0 | 0 | 1 |
| Education | 12.5 | 1.5 | 9 | 16 |
| Income | 1.5 | 0.5 | 1 | 3 |
| Health status | 1.0 | 0.0 | 0 | 1 |
| Smoking status | 1.0 | 0.0 | 0 | 1 |
| Alcohol consumption | 1.0 | 0.0 | 0 | 1 |
| Exercise frequency | 1.0 | 0.0 | 0 | 1 |
| Stress level | 1.0 | 0.0 | 0 | 1 |
| Sleep quality | 1.0 | 0.0 | 0 | 1 |
| Work satisfaction | 1.0 | 0.0 | 0 | 1 |
| Life satisfaction | 1.0 | 0.0 | 0 | 1 |
| Overall health | 1.0 | 0.0 | 0 | 1 |
| Depression score | 1.0 | 0.0 | 0 | 1 |
| Anxiety score | 1.0 | 0.0 | 0 | 1 |
| Stress score | 1.0 | 0.0 | 0 | 1 |
| Sleep score | 1.0 | 0.0 | 0 | 1 |
| Work score | 1.0 | 0.0 | 0 | 1 |
| Life score | 1.0 | 0.0 | 0 | 1 |
| Overall score | 1.0 | 0.0 | 0 | 1 |

| Variable | Mean | SD | Min | Max |
|---------------------|------|------|-----|-----|
| Age | 34.2 | 10.5 | 18 | 65 |
| Gender | 1.0 | 0.0 | 0 | 1 |
| Marital status | 1.0 | 0.0 | 0 | 1 |
| Education | 12.5 | 1.5 | 9 | 16 |
| Income | 1.5 | 0.5 | 1 | 3 |
| Health status | 1.0 | 0.0 | 0 | 1 |
| Smoking status | 1.0 | 0.0 | 0 | 1 |
| Alcohol consumption | 1.0 | 0.0 | 0 | 1 |
| Exercise frequency | 1.0 | 0.0 | 0 | 1 |
| Stress level | 1.0 | 0.0 | 0 | 1 |
| Sleep quality | 1.0 | 0.0 | 0 | 1 |
| Work satisfaction | 1.0 | 0.0 | 0 | 1 |
| Life satisfaction | 1.0 | 0.0 | 0 | 1 |
| Overall health | 1.0 | 0.0 | 0 | 1 |
| Depression score | 1.0 | 0.0 | 0 | 1 |
| Anxiety score | 1.0 | 0.0 | 0 | 1 |
| Stress score | 1.0 | 0.0 | 0 | 1 |
| Sleep score | 1.0 | 0.0 | 0 | 1 |
| Work score | 1.0 | 0.0 | 0 | 1 |
| Life score | 1.0 | 0.0 | 0 | 1 |
| Overall score | 1.0 | 0.0 | 0 | 1 |

frmAccounts - 1

VERSION 5.00

```
5  Begin VB.Form frmAccounts
    BorderStyle   = 3 'Fixed Dialog
    Caption       = "Account Setup"
    ClientHeight  = 4230
    ClientLeft    = 1095
    ClientTop     = 330
    ClientWidth   = 6255
    Icon          = (Icon)
    LinkTopic     = "Form2"
    LockControls  = -1 'True
    MaxButton     = 0 'False
    MinButton     = 0 'False
    ScaleHeight   = 4230
    ScaleWidth    = 6255
    ShowInTaskbar = 0 'False
20  StartUpPosition = 2 'CenterScreen

    Begin VB.TextBox txtFields
        DataField   = "Monthly Date"
        DataSource  = "datPrimaryRS"
```


Height = 285

Index = 4

Left = 5400

MaxLength = 10

5 TabIndex = 35

Top = 3300

Width = 315

End

Begin VB.CheckBox chkDays

10 Alignment = 1 'Right Justify

Caption = "Report on Monday:"

DataField = "Monday"

DataSource = "datPrimaryRS"

Height = 285

Index = 1

Left = 3660

TabIndex = 34

Top = 1740

Width = 2055

20 End

Begin VB.CheckBox chkDays

Alignment = 1 'Right Justify

Caption = "Report on Tuesday:"

DataField = "Tuesday"

DataSource = "datPrimaryRS"

Height = 285

Index = 2

Left = 3660

TabIndex = 33

Top = 2055

Width = 2055

End

Begin VB.CheckBox chkDays

Alignment = 1 'Right Justify

Caption = "Report on Wednesday:"

DataField = "Wednesday"

DataSource = "datPrimaryRS"

Height = 285

Index = 3

Left = 3660

TabIndex = 32

Top = 2385

Width = 2055

End

Begin VB.CheckBox chkDays

5 Alignment = 1 'Right Justify
 Caption = "Report on Thursday:"
 DataField = "Thursday"
 DataSource = "datPrimaryRS"
 Height = 285
10 Index = 4
 Left = 3660
 TabIndex = 31
 Top = 2700
 Width = 2055

15 End

Begin VB.CheckBox chkDays

 Caption = "Report Monthly only on the th"
 DataField = "Monthly Only"
 DataSource = "datPrimaryRS"
20 Height = 285
 Index = 6
 Left = 3180
 TabIndex = 30

Top = 3315

Width = 2775

End

Begin VB.CheckBox chkDays

5 Alignment = 1 'Right Justify
Caption = "Report on Friday:"
DataField = "Friday"
DataSource = "datPrimaryRS"
Height = 285
10 Index = 5
Left = 3660
TabIndex = 29
Top = 3000
Width = 2055

End

Begin VB.TextBox txtFields

15 DataField = "Name"
DataSource = "datPrimaryRS"
Height = 285
20 Index = 3
Left = 2040
MaxLength = 50
TabIndex = 2

Top = 1080

Width = 3435

End

Begin VB.TextBox txtFields

5 DataField = "Reference Number"

DataSource = "datPrimaryRS"

Height = 285

Index = 2

Left = 2040

10 MaxLength = 10

TabIndex = 1

Top = 720

Width = 1575

End

Begin VB.CheckBox chkFields

DataField = "Extract Ascii"

DataSource = "datPrimaryRS"

Height = 285

Index = 1

20 Left = 2040

TabIndex = 8

Top = 3000

5 Width = 315

End

Begin VB.CheckBox chkFields

DataField = "Extract Qwicken"

DataSource = "datPrimaryRS"

10 Height = 285

Index = 0

Left = 2040

TabIndex = 9

Top = 3315

15 Width = 315

End

Begin VB.ComboBox Combo1

DataField = "Account Type"

DataSource = "datPrimaryRS"

20 Height = 315

Left = 2040

Style = 2 'Dropdown List

TabIndex = 3

Top = 1425

Width = 1575

End

Begin VB.PictureBox picButtons

5 Appearance = 0 'Flat

BorderStyle = 0 'None

ForeColor = &H80000008&

Height = 360

Left = 0

10 ScaleHeight = 360

ScaleWidth = 6345

TabIndex = 18

Top = 3780

Width = 6345

15 Begin VB.CommandButton cmdNext

Caption = "&Next"

Height = 300

Left = 4200

TabIndex = 28

20 Top = 0

Width = 975

End

Begin VB.CommandButton cmdPrevious

Caption = "&Previous"

Height = 300

Left = 3180

TabIndex = 27

5 Top = 0

Width = 975

End

Begin VB.CommandButton cmdClose

Caption = "&Close"

Height = 300

Left = 5220

TabIndex = 22

Top = 0

Width = 975

End

Begin VB.CommandButton cmdUpdate

Caption = "&Update"

Height = 300

Left = 2145

20 TabIndex = 21

Top = 0

Width = 975

5 End

Begin VB.CommandButton cmdDelete

Caption = "&Delete"

Height = 300

Left = 1095

TabIndex = 20

Top = 0

Width = 975

End

Begin VB.CommandButton cmdAdd

Caption = "&Add"

Height = 300

Left = 60

TabIndex = 19

Top = 0

Width = 975

End

End

Begin VB.CheckBox chkFields

DataField = "Attach Statement"

DataSource = "datPrimaryRS"

Height = 285

Index = 6

5 Left = 2040

TabIndex = 7

Top = 2700

Width = 315

End

Begin VB.CheckBox chkFields

DataField = "Report NSF"

DataSource = "datPrimaryRS"

Height = 285

Index = 5

Left = 2040

TabIndex = 6

Top = 2385

Width = 315

End

Begin VB.CheckBox chkFields

DataField = "Report Transactions"

DataSource = "datPrimaryRS"

Height = 285

Index = 4
Left = 2040
TabIndex = 5
Top = 2055
5 Width = 315

End

Begin VB.CheckBox chkFields

DataField = "Report Balance"
DataSource = "datPrimaryRS"
10 Height = 285
Index = 3
Left = 2040
TabIndex = 4
Top = 1740
15 Width = 315

End

Begin VB.TextBox txtFields

DataField = "Account Number"
DataSource = "datPrimaryRS"
20 Height = 285
Index = 1

```
Left      = 2040
5 MaxLength = 10
TabIndex  = 0
Top       = 380
Width     = 1575
```

End

Begin VB.TextBox txtFields

```
BackColor  = &H80000000&
DataField  = "ID"
DataSource = "datPrimaryRS"
Height     = 285
15 Index    = 0
Left       = 2040
Locked     = -1 'True
TabIndex   = 11
TabStop    = 0 'False
20 Top      = 60
Width      = 735
```

End

Begin VB.Label lblLabels

Alignment = 1 'Right Justify

Caption = "Last Report."

Height = 255

Index = 11

5 Left = 4320

TabIndex = 36

Top = 60

Width = 1815

End

Begin VB.Label lblLabels

Caption = "Account Name:"

Height = 255

Index = 10

Left = 120

TabIndex = 26

Top = 1080

Width = 1815

End

Begin VB.Label lblLabels

Caption = "Reference Number:"

Height = 255

Index = 9

Left = 120

TabIndex = 25

Top = 720

Width = 1815

End

5 Begin VB.Label lblLabels

Caption = "Extract ASCII:"

Height = 255

Index = 8

Left = 120

TabIndex = 24

Top = 3000

Width = 1815

End

Begin VB.Label lblLabels

Caption = "Extract Qwicken:"

Height = 255

Index = 7

Left = 120

TabIndex = 23

Top = 3315

Width = 1815

End

5 Begin VB.Label lblLabels

Caption = "Attach Statement:"

Height = 255

Index = 6

Left = 120

TabIndex = 17

Top = 2700

Width = 1815

End

Begin VB.Label lblLabels

Caption = "Report NSF:"

Height = 255

Index = 5

Left = 120

TabIndex = 16

Top = 2385

Width = 1815

End

Begin VB.Label lblLabels

Caption = "Report Transactions:"

Height = 255

Index = 4

Left = 120

5 TabIndex = 15

Top = 2055

Width = 1815

End

Begin VB.Label lblLabels

Caption = "Report Balance:"

Height = 255

Index = 3

Left = 120

TabIndex = 14

Top = 1740

Width = 1815

End

Begin VB.Label lblLabels

Caption = "Account Type:"

Height = 255

Index = 2

Left = 120

TabIndex = 13

Top = 1425

Width = 1815

End

Begin VB.Label lblLabels

5 Caption = "Account Number:"

Height = 255

Index = 1

Left = 120

TabIndex = 12

Top = 380

Width = 1815

End

Begin VB.Label lblLabels

Caption = "Customer ID:"

Height = 255

Index = 0

Left = 120

TabIndex = 10

Top = 60

Width = 1815

End

5

| Variable | Mean | SD | Min | Max |
|--------------------------|------|------|--------------|------------------|
| Age | 34.5 | 10.2 | 18 | 65 |
| Gender | 50% | 50% | Male | Female |
| Marital status | 65% | 35% | Married | Single |
| Education | 12.5 | 1.5 | 9 | 16 |
| Income | 3500 | 1500 | 1000 | 8000 |
| Occupation | 45% | 55% | Professional | Non-professional |
| Health status | 75% | 25% | Good | Poor |
| Stress level | 60% | 40% | Low | High |
| Life satisfaction | 70% | 30% | Low | High |
| Resilience | 55% | 45% | Low | High |
| Optimism | 65% | 35% | Low | High |
| Self-efficacy | 75% | 25% | Low | High |
| Emotional stability | 80% | 20% | Low | High |
| Psychological well-being | 70% | 30% | Low | High |
| Life satisfaction | 70% | 30% | Low | High |
| Resilience | 55% | 45% | Low | High |
| Optimism | 65% | 35% | Low | High |
| Self-efficacy | 75% | 25% | Low | High |
| Emotional stability | 80% | 20% | Low | High |
| Psychological well-being | 70% | 30% | Low | High |

frmAutotime - 1

Option Explicit

5 Private Sub cmdApply_Click()
SaveSetting App.Title, "Settings", "AutoTime", lblTime
SaveSetting App.Title, "Settings", "AutoBetween", lblBetween
cmdCancel_Click

End Sub

10 Private Sub cmdCancel_Click()

Unload Me

End Sub

Private Sub Form_Load()

15 Me.Caption = SystemName & " " & Me.Caption

lblTime = GetSetting(App.Title, "Settings", "AutoTime", "08:00 AM")

lblBetween = GetSetting(App.Title, "Settings", "AutoBetween", "15")

End Sub

20 Private Sub UpDown1_DownClick()

lblTime = Format\$(DateAdd("n", -5, lblTime), "hh:mm AMPM")

End Sub

Private Sub UpDown1_UpClick()

lblTime = Format\$(DateAdd("n", 5, lblTime), "hh:mm AMPM")

End Sub

5 Private Sub UpDown2_DownClick()

Dim L%

L% = Val(lblBetween)

If L% = 5 Then Exit Sub

lblBetween = L% - 5

10 DoEvents

End Sub

Private Sub UpDown2_UpClick()

Dim L%

15 L% = Val(lblBetween)

If L% = 60 Then Exit Sub

lblBetween = L% + 5

DoEvents

End Sub

20

frmAutotime - 1

VERSION 5.00

5 Object = "{86CF1D34-0C5F-11D2-A9FC-0000F8754DA1}#2.0#0"; "MSCOMCT2.OCX"

Begin VB.Form frmAutotime

BorderStyle = 3 'Fixed Dialog

Caption = "Auto Setup"

ClientHeight = 1770

ClientLeft = 45

ClientTop = 330

ClientWidth = 4260

LinkTopic = "Form1"

MaxButton = 0 'False

MinButton = 0 'False

ScaleHeight = 1770

ScaleWidth = 4260

ShowInTaskbar = 0 'False

StartPosition = 1 'CenterOwner

Begin VB.CommandButton cmdCancel

Caption = "&Cancel"

Height = 300

Left = 2340

TabIndex = 7

Top = 1320

Width = 975

End

5 Begin VB.CommandButton cmdApply

Caption = "&Save"

Height = 300

Left = 900

TabIndex = 6

Top = 1320

Width = 975

End

Begin MSComCtl2.UpDown UpDown1

Height = 285

Left = 3480

TabIndex = 1

Top = 420

Width = 240

_ExtentX = 423

_ExtentY = 503

_Version = 393216

Enabled = -1 'True

End

Begin MSComCtl2.UpDown UpDown2

Height = 285

Left = 3480

TabIndex = 4

5 Top = 780

Width = 240

_ExtentX = 423

_ExtentY = 503

_Version = 393216

10 Enabled = -1 'True

End

Begin VB.Label Label4

Caption = "Minutes between Attempts:"

Height = 255

Left = 420

TabIndex = 5

Top = 780

Width = 2055

End

20 Begin VB.Label lblBetween

Alignment = 1 'Right Justify

BackColor = &H8000000E&

5 BorderStyle = 1 'Fixed Single

Caption = "15"

Height = 285

Left = 2580

TabIndex = 3

10 Top = 780

Width = 795

End

Begin VB.Label Label2

Caption = "Begin e-Mail:"

Height = 255

Left = 420

TabIndex = 2

Top = 420

Width = 1335

15 End

Begin VB.Label lblTime

Alignment = 1 'Right Justify

BackColor = &H8000000E&

frmBroadcast - 1

Option Explicit

5

Private Sub cmdCancel_Click()

Unload Me

Set frmBroadcast = Nothing

End Sub

10

Private Sub cmdSend_Click()

If Combo1 = "" Then

MsgBox "This e-mail has no send to address.", vbInformation, "NOTHING TO DO"

Exit Sub

15

End If

If Trim\$(Text2) = "" Then

If MsgBox("This e-mail has no subject. Do you want to send anyway?", vbQuestion +

vbYesNo, "NO SUBJECT") <> vbYes Then Exit Sub

End If

20

MAPISession1.SignOn

MAPIMessages1.SessionID = MAPISession1.SessionID

tblUsers.MoveFirst

While Not tblUsers.EOF

If ((Combo1.ListIndex = 2 Or (Combo1.ListIndex = 1 And tblUsers!Charge = True)) And t
blUsers!Suspend = False) Or (Combo1.ListIndex > 1 And tblUsers![Sort Name] = Combo1)

Then

5 MAPIMessages1.Compose
 MAPIMessages1.RecipDisplayName = tblUsers![Address Name]

 MAPIMessages1.RecipAddress = tblUsers![e-Mail Address]

 MAPIMessages1.MsgSubject = Text2

 MAPIMessages1.MsgNoteText = Text1

10 MAPIMessages1.Send

 If Combo1.ListIndex > 2 Then GoTo Endit

End If

tblUsers.MoveNext

Wend

15 Endit:

 MAPISession1.SignOff

 cmdCancel_Click

End Sub

20 Private Sub Form_Load()

 Me.Caption = SystemName & " " & Me.Caption

 Combo1.AddItem ""

 Combo1.AddItem " All Users"

frmBroadcast - 1

VERSION 5.00

5 Object = "{20C62CAE-15DA-101B-B9A8-444553540000}#1.1#0"; "MSMAPI32.OCX"

Begin VB.Form frmBroadcast

BorderStyle = 3 'Fixed Dialog

Caption = "e-Mail Broadcast"

ClientHeight = 4890

10 ClientLeft = 45

ClientTop = 330

ClientWidth = 7980

Icon = (Icon)

LinkTopic = "Form1"

15 LockControls = -1 'True

MaxButton = 0 'False

MinButton = 0 'False

ScaleHeight = 4890

ScaleWidth = 7980

20 ShowInTaskbar = 0 'False

StartPosition = 2 'CenterScreen

Begin MSMAPI.MAPIMessages MAPIMessages1

Left = 2000

Top = 2100

_ExtentX = 1005

_ExtentY = 1005

_Version = 393216

5 AddressEditFieldCount= 1

AddressModifiable= 0 'False

AddressResolveUI= 0 'False

FetchSorted = 0 'False

FetchUnreadOnly = 0 'False

10 End

Begin MSMAPI.MAPISession MAPISession1

Left = 3240

Top = 2100

_ExtentX = 1005

_ExtentY = 1005

_Version = 393216

DownloadMail = 0 'False

LogonUI = -1 'True

NewSession = -1 'True

20 Password = "estatement"

UserName = "estatement"

End

Begin VB.TextBox Text2

Height = 315

Left = 2040

TabIndex = 1

Top = 600

5 Width = 5715

End

Begin VB.CommandButton cmdCancel

Cancel = -1 'True

Caption = "&Cancel"

10 Height = 375

Left = 4080

TabIndex = 4

Tag = "Cancel"

Top = 4320

15 Width = 1095

End

Begin VB.CommandButton cmdSend

Caption = "&Send"

Height = 375

20 Left = 2580

TabIndex = 3

Tag = "OK"

5 Top = 4320

Width = 1095

End

Begin VB.TextBox Text1

Height = 3015

10 Left = 180

MultiLine = -1 'True

ScrollBars = 2 'Vertical

TabIndex = 2

Top = 1080

15 Width = 7575

End

Begin VB.ComboBox Combo1

Height = 315

Left = 2040

20 Sorted = -1 'True

Style = 2 'Dropdown List

TabIndex = 0

Top = 180

Width = 3315

End

Begin VB.Label Label1

Caption = "Subject."

5 Height = 255

Index = 1

Left = 900

TabIndex = 6

Top = 600

10 Width = 915

End

Begin VB.Label Label1

Caption = "Send to."

Height = 255

Index = 0

Left = 900

TabIndex = 5

Top = 240

Width = 915

15
20 End

End

Option Explicit

5 Dim FilNum%, CancelFlag%

Sub ReadLoans() 'Read the loan trial balance information

Dim A\$, B\$, C\$, X%, FilNum%, Account\$, FileName\$, Pages%, CurrentPage%, OldIndex\$

OldIndex\$ = tblAccounts.Index

tblAccounts.Index = "Account Number"

10 tblBalances.Index = "PrimaryKey"

For X% = 1 To 2

If X% = 1 Then FileName\$ = "Tbal005.prn" Else FileName\$ = "Tbal007.prn"

If Dir(ReportPath & FileName) = "" Then GoTo NextFile

FilNum% = FreeFile

15 Open ReportPath & FileName For Input As FilNum%

Line Input #FilNum%, A\$

Line Input #FilNum%, A\$

LoanDate = Mid\$(A\$, 47, 2) & "-" & Mid\$(A\$, 49, 2) & "-" & Mid\$(A\$, 51, 2)

LoanDate = Format\$(LoanDate, "mm-dd-yyyy")

20 Pages% = Val(Mid\$(A\$, 74, 4))

CurrentPage% = 0

Label1 = ""

Label2 = "Reading " & FileName\$ & "..."

ProgressBar1.Value = 0

ProgressBar1.Visible = True

DoEvents

While Not EOF(FilNum%)

5 Line Input #FilNum%, A\$

A\$ = RTrim\$(A\$)

If A\$ = Chr\$(12) Then

CurrentPage% = CurrentPage% + 1

If CurrentPage% < Pages% Then ProgressBar1.Value = (CurrentPage% / Pages%)

10 * 100

DoEvents

GoTo NextLine

End If

If Len(A\$) < 80 Then GoTo NextLine

15 Account\$ = Trim\$(Mid\$(A\$, 2, 11))

If Val(Account\$) > 0 Then 'New Loan

tblAccounts.Seek "=", Account\$

If tblAccounts.NoMatch = True Then GoTo NextLine

Line Input #FilNum%, B\$

20 Line Input #FilNum%, C\$

With tblBalances

Label1 = "Adding Loan " & Account\$

DoEvents

.Seek "=", Account\$

If .NoMatch Then .AddNew Else .Edit

On Error Resume Next

![Account] = Account\$

5 ![Last Update] = LoanDate

 ![Balance] = CCur(Trim\$(Mid\$(A\$, 51, 12)))

 If IsDate(Mid\$(A\$, 124, 8)) Then ![Date of Last Deposit] = Format\$(Mid\$(A\$, 124, 8))

10 If IsDate(Mid\$(B\$, 63, 8)) Then ![Maturity Date] = Format\$(Mid\$(B\$, 63, 8), "mm/dd/yyyy")

 If IsDate(Mid\$(C\$, 63, 8)) Then ![Next Due Date] = Format\$(Mid\$(C\$, 63, 8), "mm/dd/yyyy")

 ![Net Payoff] = CCur(Trim\$(Mid\$(C\$, 50, 12)))

 ![Rate] = CSng(Trim\$(Mid\$(C\$, 76, 7)))

15 ![Payment] = CCur(Trim\$(Mid\$(A\$, 74, 10)))

 ![YTD Interest] = CCur(Trim\$(Mid\$(C\$, 85, 11)))

 ![Misc] = Trim\$(Mid\$(B\$, 14, 33))

 ![Last Deposit] = CCur(Trim\$(Mid\$(B\$, 73, 10))) 'Past Due Amount

 If Err = 0 Then .Update Else .CancelUpdate

20 On Error GoTo 0

End With

```

        End If
5    NextLine:

        Wend

    NextFile:

    Close FilNum%

    Next X%

10   ProgressBar1.Visible = False

    Label2 = ""

    Label1 = ""

    tblAccounts.Index = OldIndex$

    End Sub

15   Function FNum(A As String) As String

    Dim L%

    A$ = Trim$(A$)

    L% = Len(A$)

    If L% > 4 Then

20     FNum = String(L% - 4, "x") & Right$(A$, 4)

    Else

        FNum = A$

    End If

```

End Function

Function Strip(AA\$) As String

5 Do

If Left\$(AA\$, 1) = Chr\$(10) Then

AA\$ = Mid\$(AA\$, 2)

Else

Exit Do

10 End If

Loop

Do

If Right\$(AA\$, 1) = Chr\$(10) Then

AA\$ = Left\$(AA\$, Len(AA\$) - 1)

15 Else

Exit Do

End If

Loop

Strip = AA\$

20 End Function

Sub MakeStatements()

Dim FilNum%, A\$, S\$(8), Account\$, FilNum2%, X%, Page%, FileName\$, D\$, SDate\$, TCD\$, O

IdAccount\$, L%

5

[illegible]

20

-84-

Page% = Val(Trim\$(Mid\$(S\$(5), 78, 3)))

5 SDate = Mid\$(S\$(6), 73, 8)

tblAccounts.Seek "=", Val(Account\$)

If tblAccounts.NoMatch Then GoTo NextLine

If tblAccounts![Attach Statement] = False Then GoTo NextLine

10 Label1 = "Creating statement for " & Account\$

DoEvents

FilNum2% = FreeFile

FileName\$ = Format\$(Val(Account\$), "00000000") & Format\$(SDate\$, "mm-dd-yy") & ". "

HTM"

15 If Account\$ <> OldAccount\$ Then

Open App.Path & "\" & FileName For Output As FilNum2%

Print #FilNum2%, "<P><IMG SRC=" & GIFName & " <FONT SIZE

= " & Format\$(StatementFont%, "##") & ">" & " " & SystemName & " from "; BankName & "

_{<SMALL>Member FDIC</SMALL>}</P>"

20 Print #FilNum2%, "<P><PRE>"

Print #FilNum2%, "=====

=====

Print #FilNum2%, "NOTE: For your convenience only! This statement does not

represent official"

Print #FilNum2%, " bank records. Your statement will be mailed to you.

Refer to your"

Print #FilNum2%, " mailed copy for important disclosures concerning your

5 account."

Print #FilNum2%, "=====

=====

Print #FilNum2%, ""

Else

10 Open App.Path & "\" & FileName For Append As FilNum2%

Print #FilNum2%, "<P><PRE>"

Print #FilNum2%, String(36, 45) & " Page " & Page% & " " & String(36, 45)

Print #FilNum2%, ""

End If

15 OldAccount\$ = Account\$

Print #FilNum2%, "** Your account name, address *" & Mid\$(Strip(S\$(4)), 42)

TestLine\$ = "** and a portion of your account*" & Mid\$(Strip(S\$(5)), 42)

L% = InStr(TestLine\$, Account\$): If L% <> 0 Then Mid\$(TestLine\$, L%, (Len(Account\$) - 4)) = String\$(Len(Account\$) - 4, "x")

20 Print #FilNum2%, TestLine\$

Print #FilNum2%, "** number have been omitted for *" & Mid\$(Strip(S\$(6)), 42)

Print #FilNum2%, "** your security. *" & Mid\$(Strip(S\$(7)), 42)

Print #FilNum2%, String(32, " ") & Mid\$(Strip(S\$(8)), 42)

While Not EOF(FilNum%)

Line Input #FilNum%, A\$

If A\$ = Chr\$(12) Then 'New Statement

Print #FilNum2%, "</P>"

5 Close FilNum2%

GoTo NextSLine

End If

TestLine\$ = Strip(A\$)

10 L% = InStr(TestLine\$, Account\$): If L% <> 0 Then Mid\$(TestLine\$, L%, (Len(Account\$) - 4)) = String(Len(Account\$) - 4, "x")

If Mid\$(TestLine\$, 41, 7) = "CREDITS" Then Mid\$(TestLine\$, 5, 4) = "xxxx"

If Mid\$(TestLine\$, 29, 12) = "ACCOUNT NO. " Then Mid\$(TestLine\$, 43, 4) = "xxxx"

"

L% = InStr(TestLine\$, "ACCT.--"): If L% <> 0 Then Mid\$(TestLine\$, L% + 7, 4) =

15 "xxxx"

If InStr(A\$, "NUMBER OF ITEMS") = 0 Then Print #FilNum2%, TestLine\$

Wend

Print #FilNum2%, "</P>"

Close FilNum2%

20 NextLine:

Wend

frmGenerate - 4

Close FilNum%

5 Close FilNum2%

tblAccounts.Index = "Account Seq"

End Sub

Private Sub cmdCancel_Click()

10 CancelFlag% = True

Screen.MousePointer = 0

Close FilNum%

Unload Me

Set frmGenerate = Nothing

15 End Sub

Private Sub Form_Load()

'Verify that necessary files are present

Me.Caption = SystemName & " " & Me.Caption

20 Dim HoldPath\$

HoldPath\$ = ReportPath

If ReportSet = "Prior" Then ReportPath = ReportPath & "LATEST\": ReportDateAdd = -1

On Error GoTo 0

Show

DoEvents

Dim A\$, AA\$(2), SQL\$, X%, f%, FileName\$, L%, SCount%, FileNum3%, Pdate\$, HasAttachmen

5 t%, TCD\$, SLoc&

Dim ECount&

tblAccounts.Index = "Account Seq"

tblTrans.Index = "Reference"

10 Screen.MousePointer = 11

'Build Statements

If GStatement% = True Then MakeStatements

Label1 = "Extracting Account Balances..."

DoEvents

'Delete old balance and Update New

20 If GBalance% <> True Then GoTo NextFunction1

SQL = "Delete * from Balances"

dbms.Execute SQL

SQL = "Update Accounts Set Sequence = 1"

db.Execute SQL

If GLoans% = True Then ReadLoans

If ReportPath & "MNTB002.PRN" <> "" Then

5 FilNum% = FreeFile

For f% = 2 To 4

 FileName\$ = "MNTB" & Format\$(f%, "000") & ".prn"

 Open ReportPath & FileName For Input As FilNum%

 Do Until EOF(FilNum%)

10 Line Input #FilNum%, A\$

 DoEvents: If CancelFlag = True Then Exit Sub

 'A\$ = Trim\$(A\$)

 AA\$(1) = Left\$(A\$, 64)

 AA\$(2) = Mid\$(A\$, 68)

15 For X% = 1 To 2

 A\$ = Trim\$(Left\$(AA\$(X), 10))

 If Val(A\$) > 0 Then

 tblAccounts.Seek "=", A\$, 1

 If tblAccounts.NoMatch = False Then

20 Label1 = "Adding Balance for " & A\$

 DoEvents

tblBalances.AddNew

5 tblBalances!Account = Val(A\$)

 Select Case f%

 Case 2, 3

 tblBalances!Balance = CCur(Trim\$(Mid\$(AA\$(X%), 25, 17)))

 If IsDate(Trim\$(Right\$(AA\$(X), 9))) Then tblBalances![Date

10 of Last Deposit] = Trim\$(Right\$(AA\$(X%), 9))

 tblBalances![Last Deposit] = CCur(Trim\$(Mid\$(AA\$(X%), 39, 1

7)))

 Case 4

 tblBalances!Balance = CCur(Trim\$(Mid\$(AA\$(X%), 25, 13)))

 If IsDate(Mid\$(AA\$(X), 47, 8)) Then tblBalances![Date of La

15 st Deposit] = Mid\$(AA\$(X%), 47, 8)

 If IsDate(Mid\$(AA\$(X), 38, 8)) Then tblBalances![Maturity D

ate] = Mid\$(AA\$(X%), 38, 8)

 tblBalances![Last Deposit] = CCur(Trim\$(Mid\$(AA\$(X%), 55, 1

20 07)))

 Case Else

 End Select

tblBalances.Update

End If

End If

Next

Loop

5 Close FilNum%

Next f%

End If

NextFunction1:

10 If GTrans <> True Then GoTo NextFunction2

'Load New Transactions

tblAccounts.Index = "REFERENCE"

If ReportPath & "PJNL001.PRN" <> "" Then

FilNum% = FreeFile

15 FileName\$ = "PJNL001.PRN"

Open ReportPath & FileName For Input As FilNum%

Line Input #FilNum%, A\$

Line Input #FilNum%, A\$

Pdate\$ = Mid\$(A\$, 68, 2) & "-" & Mid\$(A\$, 70, 2) & "-" & Mid\$(A\$, 72, 2)

20 Pdate\$ = Format\$(Pdate\$, "mm-dd-yyyy")

tblTrans.Index = "Duplicate"

Do Until EOF(FilNum%)

Line Input #FilNum%, A\$

DoEvents: If CancelFlag = True Then Exit Sub

If Len(A\$) < 100 Then GoTo NextLine

AA\$(1) = Left\$(A\$, 64)

AA\$(2) = Mid\$(A\$, 71)

5 For X% = 1 To 2

A\$ = Trim\$(Left\$(AA\$(X), 9)) & Mid\$(AA\$(X), 11, 2)

' If A\$ = "116160" Then Stop

If Val(A\$) > 100000 Then

tblAccounts.Seek "=", A\$

10 If tblAccounts.NoMatch = False Then

Label1 = "Adding Transaction(s) for " & A\$

DoEvents

tblTrans.Seek "=", Val(A\$), Pdate\$, Val(Mid\$(AA\$(X%), 44, 6)) + 0, CCur

(Trim\$(Mid\$(AA\$(X%), 19, 13)))

15 If tblTrans.NoMatch = True Then

tblTrans.AddNew

tblTrans!Reference = Val(A\$)

tblTrans!TC = Mid\$(AA\$(X), 15, 3)

tblTrans!Amount = CCur(Trim\$(Mid\$(AA\$(X%), 19, 13)))

20 tblTrans!Source = Mid\$(AA\$(X%), 34, 4)

tblTrans!Serial = Val(Mid\$(AA\$(X%), 44, 6)) + 0


```

        tblTrans!Date = Pdate$
5      tblTrans.Update
      End If
    End If
  End If

  Next

10  NextLine:
    Loop
    Close FilNum%
    tblAccounts.Index = "Account Seq"
    tblTrans.Index = "Reference"
15  End If

    'Delete NSF and Add new
    SQL = "Delete * from NSF"
    dbs.Execute SQL

20  If ReportPath & "CF__026.PRN" <> "" Then
    Dim Acc$, Bal As Currency, B$, SAcc$
    FilNum% = FreeFile
    FileName$ = "CF__026.PRN"

```

Open ReportPath & FileName For Input As FilNum%

Do Until EOF(FilNum%)

Line Input #FilNum%, A\$

DoEvents: If CancelFlag = True Then Exit Sub

5 If Left\$(A\$, 20) = "-----" Then Acc\$ = "": Bal = 0: GoTo NextNSF

Acc\$ = Trim\$(Mid\$(A\$, 5, 8))

If Acc\$ = "" Then GoTo NextNSF

If Val(Acc\$) = 0 Then GoTo NextNSF

'If Acc\$ = "124990" Then Stop

10 tblAccounts.Seek "=", Acc\$, 1

If tblAccounts.NoMatch = False Then

tblAccounts.Edit

tblAccounts!Sequence = 0

tblAccounts.Update

15 B\$ = Mid\$(A\$, 106, 15)

'User Reverinst here

L% = InStrRev(B\$, "*")

B\$ = Mid\$(B\$, L% + 1)

SAcc\$ = Acc\$

20 Bal = CCur(B\$)

Label1 = "Adding NSF for " & Acc\$

DoEvents

End If

NextNSF:

If Bal <> 0 And Mid\$(A\$, 115, 1) = "." Then

tblNSF.AddNew

tblNSF!Account = SAcc\$

5 tblNSF!Balance = Bal

tblNSF!Amount = CCur(Mid\$(A\$, 106, 12))

tblNSF!Serial = Val(Mid\$(A\$, 80, 6))

tblNSF.Update

End If

10 Loop

End If

Close FilNum%

NextFunction2:

15 'Build e-mail

Dim T\$, D\$

MAPISession1.SignOn

MAPIMessages1.SessionID = MAPISession1.SessionID

tblUsers.MoveFirst

20 tblAccounts.Index = "User Seq"

tblBalances.Index = "PrimaryKey"

tbINSF.Index = "Account"

5 While Not tblUsers.EOF

 SCount% = 0

 DoEvents: If CancelFlag = True Then Exit Sub

10 'Check for suspended user'

 If tblUsers!Suspend = True Then GoTo NextUser2

 'Build the first part of the email message

15 MAPIMessages1.Compose

 MAPIMessages1.RecipDisplayName = tblUsers![Address Name]

 MAPIMessages1.RecipAddress = tblUsers![e-Mail Address]

 MAPIMessages1.MsgSubject = SystemName & " for " & Format\$(Pdate\$, "dddd mmm dd, yy
yy")

20

 'Has the user confirmed usage? if not send a confirmation

 If tblUsers!Confirmed = False Then

 MAPIMessages1.MsgSubject = "eStatement address confirmation " & Format\$(Now, "m

m/dd/yyyy")

T\$ = "Dear Customer: " & Chr\$(10) & Chr\$(10)

T\$ = T\$ & "Please confirm receipt of this eStatement Address Confirmation by" &
Chr\$(10)

5 T\$ = T\$ & "replying to this e-mail. Click the REPLY button of your" & Chr\$(10)

T\$ = T\$ & "e-mail program and then the SEND button. No other action is" & Chr\$(10)
(10)

T\$ = T\$ & "required. Upon receipt of your confirmation we will begin" & Chr\$(10)
)

10 T\$ = T\$ & "daily eStatement services." & Chr\$(10) & Chr\$(10)

T\$ = T\$ & "Thank you for your business..." & Chr\$(10) & Chr\$(10)

T\$ = T\$ & " The Lamar Bank eStatement Team"

T\$ = T\$ & " eStatement@lamarbanktexas.com "

GoTo NextUser

15 End If

'Build Text for email

T\$ = SystemName\$ & " from " & BankName\$ & " Member FDIC" & Chr\$(10)

T\$ = T\$ & "As of close of business " & Format\$(Pdate\$, "dddd mmm-dd-yyyy") & Chr\$(

20 10)

tblAccounts.Seek ">=", tblUsers(0), 0

If tblAccounts![User ID] <> tblUsers![ID] Then GoTo NextUser

While Not tblAccounts.EOF

If tblAccounts![User ID] <> tblUsers![ID] Then GoTo NextUser

tblNSF.Seek "=", tblAccounts![Account Number]

5 If tblNSF.NoMatch = False Then

If T\$ <> "" Then T\$ = T\$ & "=====

= " & Chr\$(10)

T\$ = T\$ & "-----NSF NOTICE--NSF NOTICE-----" & Chr\$(10)

T\$ = T\$ & "NSF Account: " & FNum(tblNSF!Account) & " - " & tblAccounts!Nam

10 e & Chr\$(10)

T\$ = T\$ & " Balance: " & Format\$(tblNSF!Balance, "Currency") & Chr

\$(10) & Chr\$(10)

T\$ = T\$ & "NSF Checks:" & Chr\$(10)

T\$ = T\$ & " SERIAL AMOUNT" & Chr\$(10)

15 T\$ = T\$ & " -----" & Chr\$(10)

While Not tblNSF.EOF

If tblNSF!Account <> tblAccounts![Account Number] Then GoTo NextNSF2

T\$ = T\$ & " " & Format\$(tblNSF!Serial, "000000 ") & Righ

t\$(Space\$(12) & Format\$(tblNSF!Amount, "Currency"), 12) & Chr\$(10)

20 tblNSF.MoveNext

Wend

End If

5 NextNSF2:

'Check here for report day

If tblAccounts![Monthly Only] = False And tblAccounts(Weekday(Pdate\$) + 10) = F

also Then GoTo NextAccount3

'code to check date for Monthly only here

10 tblBalances.Seek "=", tblAccounts![Account Number]

If tblBalances.NoMatch = False And GBalance = True Then

If T\$ <> "" Then T\$ = T\$ & "=====

====" & Chr\$(10)

D\$ = Dir\$(App.Path & "\ " & Format\$(tblAccounts![Account Number], "0000000

15 0") & "*.HTM")

If D\$ <> "" And GStatement% = True Then

T\$ = T\$ & "A Statement for this account is attached today!" & Chr\$(10)

End If

Select Case tblAccounts![Account Type]

20 Case "Checking"

T\$ = T\$ & " Checking Account: " & FNum(tblAccounts![Account Number

) & " - " & tblAccounts!Name & Chr\$(10)

If tblBalances!Balance = -99999999.99 Then

T\$ = T\$ & "There is a full balance hold on this account!" & Chr\$(1

0)

Else

T\$ = T\$ & " Available Balance: " & Format\$(tblBalances!Balance

5 , "Currency") & Chr\$(10)

End If

If tblBalances![Last Deposit] <> 0 Then T\$ = T\$ & " Last Depo

sit: " & Format\$(tblBalances![Last Deposit], "Currency") & " on " & Format\$(tblBalances![Date of Last Deposit], "mm/dd/yyyy") & Chr\$(10)

10 T\$ = T\$ & Chr\$(10)

Case "Savings"

T\$ = T\$ & " Savings Account: " & FNum(tblAccounts![Account Number]) & " - " & tblAccounts!Name & Chr\$(10)

If tblBalances!Balance = -99999999.99 Then

15 T\$ = T\$ & "There is a full balance hold on this account!" & Chr\$(1

0)

Else

T\$ = T\$ & " Available Balance: " & Format\$(tblBalances!Balance

, "Currency") & Chr\$(10)

20 End If

If tblBalances![Last Deposit] <> 0 Then T\$ = T\$ & " Last Depo

sit: " & Format\$(tblBalances![Last Deposit], "Currency") & " on " & Format\$(tblBalances![Date of Last Deposit], "mm/dd/yyyy") & Chr\$(10)

T\$ = T\$ & Chr\$(10)

Case "CD"

T\$ = T\$ & " Certificate Number: " & FNum(tblAccounts![Account Number]) & " - " & tblAccounts!Name & Chr\$(10)

5 If tblBalances!Balance = -99999999.99 Then

T\$ = T\$ & "There is a full balance hold on this account!" & Chr\$(10)

Else

T\$ = T\$ & " Available Balance: " & Format\$(tblBalances!Balance, "Currency") & Chr\$(10)

End If

T\$ = T\$ & " Maturity Date: " & Format\$(tblBalances![Maturity Date], "mm/dd/yyyy") & Chr\$(10)

T\$ = T\$ & " Next Interest Date: " & Format\$(tblBalances![Date of Last Deposit], "mm/dd/yyyy") & Chr\$(10)

If tblBalances![Last Deposit] <> 0 Then T\$ = T\$ & " Accrued Interest: " & Format\$(tblBalances![Last Deposit], "Currency") & Chr\$(10)

T\$ = T\$ & Chr\$(10)

Case "Loan"

20 If Format\$(LoanDate, "Short Date") <> Format\$(Pdate\$, "Short Date") Then

T\$ = T\$ & " All Information as of: " & Format\$(LoanDate, "Short
Date") & Chr\$(10)

End If

T\$ = T\$ & " Loan Number: " & FNum(tblAccounts![Account N
umber]) & " - " & tblAccounts!Name & Chr\$(10)

T\$ = T\$ & " Current Balance: " & Format\$(tblBalances![Balanc
e], "Currency") & Chr\$(10)

If tblBalances![Last Deposit] > 0 Then T\$ = T\$ & " Past Due Amoun
t: " & Format\$(tblBalances![Last Deposit], "Currency") & Chr\$(10)

T\$ = T\$ & " Interest Rate: " & Format\$(tblBalances![R
ate] / 100, "###.00 %") & Chr\$(10)

T\$ = T\$ & " Payment Amount: " & Format\$(tblBalances![Payment],
"Currency") & Chr\$(10)

T\$ = T\$ & " Last Payment Date: " & Format\$(tblBalances![Date of
Last Deposit], "Short Date") & Chr\$(10)

T\$ = T\$ & " Next Due Date: " & Format\$(tblBalances![Next D
ue Date], "Short Date") & Chr\$(10)

T\$ = T\$ & " Maturity Date: " & Format\$(tblBalances![Matu
rity Date], "Short Date") & Chr\$(10)

T\$ = T\$ & " Payoff (call to verify): " & Format\$(tblBalances![Net Pa

yoff], "Currency") & Chr\$(10)

T\$ = T\$ & " Interest Year-to-date: " & Format\$(tblBalances![YTD Interest], "Currency") & Chr\$(10)

T\$ = T\$ & "Collateral Description: " & tblBalances![Misc] & Chr\$(10)

5 T\$ = T\$ & Chr\$(10)

Case Else

T\$ = ""

End Select

End If

10 'Add Trans

If GTrans% = True Then

tblTrans.Seek ">=", tblAccounts![Reference Number], 0

If tblTrans.NoMatch Then GoTo NextAccount

If tblTrans!Reference <> tblAccounts![Reference Number] Then GoTo NextAccount

15 T\$ = T\$ & "Transaction(s) for Account " & FNum(tblAccounts![Account Number])
& Chr\$(10)

T\$ = T\$ & "Date Serial # Amount Transaction

Source and Type" & Chr\$(10)

T\$ = T\$ & "----- ----- ----- -----

20 -----" & Chr\$(10)

While Not tblTrans.EOF

If tblTrans!Reference = tblAccounts![Reference Number] Then

tblTranCodes.Seek "=", tblTrans!TC

If tblTranCodes.NoMatch Then

MsgBox "An unknown trancode has been found: " & tblTrans!TC, vbInforma
tion, "UNKNOWN TRANCODE": TCD\$ = "Unknow"

Else

5 TCD\$ = tblTranCodes(1)

If tblTrans!Source <> "MICR" Then TCD\$ = tblTrans!Source & " " & TCD
\$

End If

10 T\$ = T\$ & Format\$(tblTrans!Date, "mm/dd/yy") & " " & Format\$(tblTrans
!Serial, "000000 ") & Right\$(Space\$(17) & Format\$(tblTrans!Amount, "Currency"), 17)
& Space\$(8) & TCD\$ & Chr\$(10)

Else

GoTo LastTran 'End of Trans

End If

15 tblTrans.MoveNext

Wend

End If

LastTran:

If T\$ <> "" Then T\$ = T\$ & Chr\$(10)

20

NextAccount2:

'If flaged, build CSV File for trans

5 If GCSV = False Or (GCSV = True And tblAccounts![Extract ASCII] = False) Then

GoTo NextAccount

tblTrans.Seek "=", tblAccounts![Account Number]

If tblTrans.NoMatch Then GoTo NextAccount

Dim FilNum3%, TranType\$

10 FilNum3% = FreeFile

Open App.Path & "\ & Format\$(tblAccounts![Account Number], "00000000") & ".CS

V" For Output As #FilNum3%

While Not tblTrans.EOF

If tblTrans!Reference = tblAccounts![Reference Number] Then

15 tblTranCodes.Seek "=", tblTrans!TC

If tblTranCodes.NoMatch = False Then

If tblTranCodes!Action = -1 Then

Write #FilNum3%, tblAccounts![Account Number], Pdate\$, "Debit", tblTr

ans!Serial, Format\$(-tblTrans!Amount, "#####.##")

20 Else

Write #FilNum3%, tblAccounts![Account Number], Pdate\$, "Credit", tblT

rans!Serial, Format\$(tblTrans!Amount, "#####.##")

End If

End If

Else

Close FilNum3%

GoTo NextAccount

5 End If

tblTrans.MoveNext

Wend

Close FilNum3%

NextAccount:

10 D\$ = Dir\$(App.Path & "\ & Format\$(tblAccounts![Account Number], "00000000") & "
15 ".CSV")

If D\$ <> "" And GCSV = True Then

HasAttachment = True

MAPIMessages1.AttachmentIndex = SCount%

MAPIMessages1.AttachmentPathName = App.Path & "\ & D\$

MAPIMessages1.AttachmentName = Pdate\$ & " Transactions for Account " & FNum(tbl
Accounts![Account Number]) & ".CSV"

SCount% = SCount% + 1

End If

20 D\$ = Dir\$(App.Path & "\ & Format\$(tblAccounts![Account Number], "00000000") & "
*.HTM")

If D\$ <> "" And GStatement% = True Then

HasAttachment = True

MAPIMessages1.AttachmentIndex = SCount%

MAPIMessages1.AttachmentPathName = App.Path & "\" & D\$

MAPIMessages1.AttachmentName = Format\$(Mid\$(D\$, 9, 8), "mm-dd-yyyy") & " State

ent for Account " & FNum(tblAccounts![Account Number]) & ".HTM"

5 SCount% = SCount% + 1

End If

tblAccounts.Edit

tblAccounts![Last Report] = Now

tblAccounts.Update

10 NextAccount3:

tblAccounts.MoveNext

Wend 'End of account loop

NextUser:

15 If T\$ <> "" Or HasAttachment = True Then

Label1 = "eMailing " & MAPIMessages1.RecipDisplayName

DoEvents

If T\$ <> "" Then

If GMessage <> "" Then T\$ = GMessage & Chr\$(10) & T\$

20 MAPIMessages1.MsgNoteText = Left\$(T\$, Len(T\$) - 1)

Else

```

    T$ = GMessage & Chr$(10)
5    MAPIMessages1.MsgNoteText = "Statement attached"

    End If

    MAPIMessages1.Send

    ECount = ECount + 1

    DoEvents

10   End If

NextUser2:

    T$ = ""

    HasAttachment = False

    tblUsers.MoveNext

15   Wend      'End of User Loop

'End Of Processing

Screen.MousePointer = 0

On Error Resume Next

20   MAPISession1.SignOff

If ECount > 1 Then

    tblHistory.AddNew
```


tblHistory![Generation Date] = Now

tblHistory!Statements = ECount

tblHistory.Update

tblOptions.Edit

5 tblOptions![Last Generated] = Now

tblOptions.Update

End If

'Remove reported transactions

10 tblAccounts.MoveFirst

While Not tblAccounts.EOF

 If Format\$(tblAccounts![Last Report], "mm/dd/yyyy") = Format\$(Now, "mm/dd/yyyy") T

 hen

 SQL = "Delete * from Transaction where Reference = " & Trim(tblAccounts![Referen
15 ce Number]) & ""

 dbs.Execute SQL

 End If

 tblAccounts.MoveNext

Wend

20 ReportPath = HoldPath

ReportDateAdd = 0

Kill App.Path & "*.HTM"

Kill App.Path & "*.CSV"

frmGenerate - 1

VERSION 5.00

5 Object = "{831FDD16-0C5C-11D2-A9FC-0000F8754DA1}#2.0#0"; "MSCOMCTL.OCX"

Object = "{20C62CAE-15DA-101B-B9A8-444553540000}#1.1#0"; "MSMAPI32.OCX"

Begin VB.Form frmGenerate

BorderStyle = 3 'Fixed Dialog

Caption = "Generate e-Mail"

ClientHeight = 1650

ClientLeft = 45

ClientTop = 330

ClientWidth = 4680

Icon = (Icon)

LinkTopic = "Form1"

MaxButton = 0 'False

MinButton = 0 'False

ScaleHeight = 1650

ScaleWidth = 4680

ShowInTaskbar = 0 'False

StartPosition = 1 'CenterOwner

Begin MSComctlLib.ProgressBar ProgressBar1

Height = 255

```
Left      = 300
TabIndex  = 3
Top       = 780
Visible   = 0 'False
Width     = 4035
_ExtentX  = 7117
_ExtentY  = 450
_Version  = 393216
Appearance = 1
```

```
End
```

```
Begin VB.CommandButton cmdCancel
```

```
Cancel     = -1 'True
Caption    = "&Cancel"
Height     = 300
Left       = 1740
TabIndex   = 1
Top        = 1200
Width      = 1095
```

```
End
```

```
Begin MSMAPI.MAPIMessages MAPIMessages1
```

```
Left      = 3840
Top       = 960
_ExtentX  = 1005
```

_ExtentY = 1005

_Version = 393216

AddressEditFieldCount= 1

AddressModifiable= 0 'False

5 AddressResolveUI= 0 'False

FetchSorted = 0 'False

FetchUnreadOnly = 0 'False

End

Begin MSMAPI.MAPISession MAPISession1

10 Left = 3960

Top = 60

_ExtentX = 1005

_ExtentY = 1005

_Version = 393216

15 DownloadMail = 0 'False

LogonUI = -1 'True

NewSession = -1 'True

Password = "ebalance"

UserName = "ebalance"

20 End

Begin VB.Label Label2

```

    Alignment    = 2 'Center
5    AutoSize    = -1 'True
    Height       = 195
    Left         = 2280
    TabIndex     = 2
    Top          = 60
10   Width       = 75
End
Begin VB.Label Label1
    Alignment    = 2 'Center
    AutoSize     = -1 'True
15   Height      = 195
    Left         = 2280
    TabIndex     = 0
    Top          = 420
    Width        = 75
20   End
End
```

frmLogin - 1

Option Explicit

5

Private Declare Function GetUserName Lib "advapi32.dll" Alias "GetUserNameA" (ByVal l

pbuffer As String, nSize As Long) As Long

Public OK As Boolean

10
15
20
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490
495
500

Private Sub Form_Load()

Dim sBuffer As String

Dim lSize As Long

Me.Caption = SystemName & " Login"

sBuffer = Space\$(255)

lSize = Len(sBuffer)

Call GetUserName(sBuffer, lSize)

If lSize > 0 Then

txtUserName.Text = Left\$(sBuffer, lSize)

Else

20

txtUserName.Text = vbNullString

End If

End Sub

Private Sub cmdCancel_Click()

OK = False

Me.Hide

End Sub

5

Private Sub cmdOK_Click()

'ToDo: create test for correct password

'check for correct password

If txtPassword.Text = "" Then

OK = True

Me.Hide

Else

MsgBox "Invalid Password, try again!", , "Login"

txtPassword.SetFocus

txtPassword.SelStart = 0

txtPassword.SelLength = Len(txtPassword.Text)

End If

End Sub

frmLogin - 1

VERSION 5.00

5 Begin VB.Form frmLogin

BorderStyle = 3 'Fixed Dialog

Caption = "Login"

ClientHeight = 1590

ClientLeft = 45

ClientTop = 330

ClientWidth = 3750

Icon = (Icon)

LinkTopic = "Form1"

MaxButton = 0 'False

MinButton = 0 'False

ScaleHeight = 1590

ScaleWidth = 3750

ShowInTaskbar = 0 'False

StartPosition = 2 'CenterScreen

Tag = "Login"

Begin VB.CommandButton cmdCancel

Cancel = -1 'True

Caption = "Cancel"

Height = 360

Left = 2100

TabIndex = 5

Tag = "Cancel"

5 Top = 1020

Width = 1140

End

Begin VB.CommandButton cmdOK

Caption = "OK"

Default = -1 'True

Height = 360

Left = 495

TabIndex = 4

Tag = "OK"

Top = 1020

Width = 1140

End

Begin VB.TextBox txtPassword

Height = 285

IMEMode = 3 'DISABLE

Left = 1305

PasswordChar = "*"

TabIndex = 1

Top = 525

Width = 2325

End

Begin VB.TextBox txtUserName

5 Height = 285

Left = 1305

TabIndex = 3

Top = 135

Width = 2325

End

Begin VB.Label lblLabels

Caption = "&Password:"

Height = 248

Index = 1

Left = 105

TabIndex = 0

Tag = "&Password:"

Top = 540

Width = 1080

End

Begin VB.Label lblLabels

Caption = "&User Name:"

5 Height = 248

Index = 0

Left = 105

TabIndex = 2

Tag = "&User Name:"

10 Top = 150

Width = 1080

End

End

Option Explicit

5

Private Declare Function OSWinHelp% Lib "user32" Alias "WinHelpA" (ByVal hwnd&, ByVal

HelpFile\$, ByVal wCommand%, dwData As Any)

Sub OpenFiles()

FilePath = GetSetting(App.Title, "Settings", "FilePath", App.Path)

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Set wrkJet = CreateWorkspace("", "admin", "", dbUseJet)

' Open Database object from saved Microsoft Jet database

Set dbs = wrkJet.OpenDatabase(FilePath & "\eStatement.mdb", False)

Set tblUsers = dbs.OpenRecordset("Users")

Set tblAccounts = dbs.OpenRecordset("Accounts")

Set tblBalances = dbs.OpenRecordset("Balances")

Set tblTrans = dbs.OpenRecordset("Transaction")

Set tblNSF = dbs.OpenRecordset("NSF")

Set tblTranCodes = dbs.OpenRecordset("Tran Codes")

20

Set tblHistory = dbs.OpenRecordset("History")

Set tblOptions = dbs.OpenRecordset("Options")

tblOptions.Index = "Primary"

tblOptions.MoveFirst

tblHistory.Index = "Primary"

tblTranCodes.Index = "Primary"

End Sub

Sub CloseFiles()

5 On Error Resume Next

tblUsers.Close

tblAccounts.Close

tblBalances.Close

tblTrans.Close

10 tblINSF.Close

tblTranCodes.Close

dbms.Close

On Error GoTo 0

End Sub

Private Sub Form_Load()

BackPath: 'Get the path to the reports

ReportPath = GetSetting(App.Title, "Settings", "ReportPath", "")

20 LoanPath = GetSetting(App.Title, "Settings", "LoanPath", "")

'Check the Paths

If ReportPath = "" Then

5

10

15

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-124-

frmMain - 2

'Start if it was on

5 mnuEnableAutoeMail_Click

End If

'Get System Settings from Registry

10 Me.Caption = SystemName & " - " & BankName & " - Ver: " & App.Major & "." & App.Min

or & App.Revision

Me.Show

DoEvents

If BankName = "Demo Bank" Then mnuNameChange_Click

15 If GetSetting(App.Title, "Settings", "Users", "") = "Disabled" Then

UsersDisabled = True

mnuEnable_Click

End If

20 End Sub

Private Sub Form_Resize()

fraAuto.Left = (Me.Width - fraAuto.Width) / 2

fraAuto.Top = (Me.Height - fraAuto.Height) / 3

Line1.X1 = 0

Line1.X2 = Me.Width

End Sub

5

Private Sub Form_Unload(Cancel As Integer)

Dim i As Integer

CloseFiles

'close all sub forms

10

For i = Forms.Count - 1 To 1 Step -1

Unload Forms(i)

Next

End Sub

15

20

Private Sub mnuBroadcast_Click()

frmBroadcast.Show vbModal, Me

End Sub

Private Sub mnuChangeLoanPath_Click()

dlgCommonDialog.ShowOpen

If dlgCommonDialog.FileName <> "" Then

Dim L%

5 L% = InStrRev(dlgCommonDialog.FileName, "\")

If L% > 0 Then

LoanPath = Left(dlgCommonDialog.FileName, L%)

Else

LoanPath = dlgCommonDialog.FileName

10 End If

If ReportPath <> "" Then SaveSetting App.Title, "Settings", "LoanPath", LoanPath

End If

End Sub

15 Private Sub mnuChangeReportPath_Click()

dlgCommonDialog.ShowOpen

If dlgCommonDialog.FileName <> "" Then

Dim L%

L% = InStrRev(dlgCommonDialog.FileName, "\")

20 If L% > 0 Then

ReportPath = Left(dlgCommonDialog.FileName, L%)

Else

5 ReportPath = dlgCommonDialog.FileName

End If

If ReportPath <> "" Then SaveSetting App.Title, "Settings", "ReportPath", Report

Path

End If

10 End Sub

Private Sub mnuDataUsers_Click()

Dim f As New frmUsersGrid

f.Show vbModal, Me

15 End Sub

Private Sub mnuDisable_Click()

If UsersDisabled = True Then Exit Sub

Dim SQL\$

20 SQL\$ = "Update Users Set [Previous State] = Suspend"

dbms.Execute SQL

SQL\$ = "Update Users Set Suspend = True"

dbms.Execute SQL

[illegible]

15

1. *What is the purpose of the study?*
 2. *What are the research objectives?*
 3. *What is the research design?*
 4. *What is the sample size?*
 5. *What is the data collection method?*
 6. *What is the data analysis method?*
 7. *What are the results of the study?*
 8. *What are the conclusions of the study?*
 9. *What are the limitations of the study?*
 10. *What are the recommendations of the study?*

20

End Sub

Private Sub mnuEditAutoEmail_Click()

Dim f As New frmAutotime

5 f.Show vbModal, Me

End Sub

Private Sub mnuEnable_Click()

If UsersDisabled = False Then Exit Sub

10 Dim SQL\$

SQL\$ = "Update Users Set Suspend = [Previous State]"

dbs.Execute SQL

UsersDisabled = False

lblUsersDisabled.Visible = False

15 SaveSetting App.Title, "Settings", "Users", "Enabled"

End Sub

Private Sub mnuEnableAutoeMail_Click()

Dim StartTime As Date

20 If UsersDisabled = True Then mnuEnable_Click

SaveSetting App.Title, "Settings", "AutoEmail", "ON"

frmMain - 4

StartTime = GetSetting(App.Title, "Settings", "AutoTime", "08:00 AM")

5 LastComplete = GetSetting(App.Title, "Settings", "LastAuto", "08:00 AM")

If DateValue>LastComplete) = DateValue(Now()) Then

NextTry = Format\$(DateAdd("w", 1, LastComplete), "mm/dd/yyyy ") & StartTime

Else

10 NextTry = Format\$(DateAdd("w", 1, LastComplete), "mm/dd/yyyy ") & StartTime

End If

'Add a day if it is Sunday

If Weekday(NextTry) = 7 Then NextTry = DateAdd("w", 1, NextTry)

'Add another day if it Monday

15 If Weekday(NextTry) = 1 Then NextTry = DateAdd("w", 1, NextTry)

Autol = GetSetting(App.Title, "Settings", "AutoBetween", "15")

lblLastComplete = LastComplete

lblLastTry = "Waiting"

20 lblNext = NextTry

lblMissing = 0

fraAuto.Visible = True

mnuEnableAutoeMail.Visible = False

mnuDisableAutoeMail.Visible = True

lblTime = Format\$(Now, "hh:mm:ss AMPM")

Timer1.Enabled = True

AutoFlag = True

5 DoEvents

End Sub

Private Sub mnuExit_Click()

Unload Me

10 End

End Sub

Private Sub mnuGenerateCurrent_Click()

ReportSet = "Current"

15 If GetSetting(App.Title, "Settings", "FilesVerified", "") <> Now Then

mnuVerify_Click

If Format\$(GetSetting(App.Title, "Settings", "FilesVerified", ""), "mm/dd/yyyy") <>

Format\$(Now, "mm/dd/yyyy") Then

If MsgBox("There are missing files needed to generate eMail. Do you wish to con

20 tinue?", vbQuestion + vbYesNo, "INCOMPLETE INFORMATION") <> vbYes Then Exit Sub

End If

End If

On Error Resume Next

GMessage = "": GBalance = True: GTrans% = True: GStatement% = True: GLoans% = True:

GCSV% = True: GQwick% = True

frmGenerate.Show vbModal, Me

SaveSetting App.Title, "Settings", "LastAuto", Now

5 On Error GoTo 0

End Sub

Private Sub mnuGeneratePrior_Click()

ReportSet = "Prior"

10 On Error Resume Next

GMessage = "": GBalance = True: GTrans% = True: GStatement% = True: GLoans% = True:

GCSV% = True: GQwick% = True

frmGenerate.Show vbModal, Me

On Error GoTo 0

15 End Sub

Private Sub mnuHelpAbout_Click()

frmAbout.Show vbModal, Me

End Sub

20

Private Sub mnuHelpSearchForHelpOn_Click()

Dim nRet As Integer

5

'if there is no helpfile for this project display a message to the user

'you can set the HelpFile for your application in the

'Project Properties dialog

If Len(App.HelpFile) = 0 Then

10

MsgBox "Unable to display Help Contents. There is no Help associated with this pr
oject.", vbInformation, Me.Caption

Else

On Error Resume Next

nRet = OSWinHelp(Me.hwnd, App.HelpFile, 261, 0)

15

If Err Then

MsgBox Err.Description

End If

End If

20

End Sub

Private Sub mnuHelpContents_Click()

Dim nRet As Integer

'if there is no helpfile for this project display a message to the user

'you can set the HelpFile for your application in the

5 'Project Properties dialog

If Len(App.HelpFile) = 0 Then

MsgBox "Unable to display Help Contents. There is no Help associated with this pr
oject.", vbInformation, Me.Caption

Else

10 On Error Resume Next

nRet = OSWinHelp(Me.hwnd, App.HelpFile, 3, 0)

If Err Then

MsgBox Err.Description

End If

15 End If

End Sub

Private Sub mnuNameChange_Click()

frmNameChange.Show vbModal, Me

20 Me.Caption = SystemName & " - " & BankName & " - Ver: " & App.Major & "." & App.Minor

& App.Revision

End Sub

Private Sub mnuSelected_Click()

frmSelected.Show vbModal, Me

End Sub

5 Private Sub mnuTranCodes_Click()

frmTranCodes.Show vbModal, Me

End Sub

Private Sub mnuVerify_Click()

10 Dim FileName\$

FilesMissing = 0

FileName = "MNTB002.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag

= False Then GoSub ShowMissing

15 FileName = "MNTB003.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag

= False Then GoSub ShowMissing

FileName = "MNTB004.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag

20 = False Then GoSub ShowMissing

FileName = "MNTB005.PRN"

5

```
If Dir$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag  
= False Then GoSub ShowMissing
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```
FileName = "TBAL005.PRN"
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```
If Dir$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag  
= False Then GoSub ShowMissing
```

```
FileName = "TBAL007.PRN"
```

10

```
If Dir$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag  
= False Then GoSub ShowMissing
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```
FileName = "TBAL008.PRN"
```

```
If Dir$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag  
= False Then GoSub ShowMissing
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15

```
FileName = "PJNL001.PRN"
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```
If Dir$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag  
= False Then GoSub ShowMissing
```

```
FileName = "PJNL002.PRN"
```

20

```
If Dir$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag  
= False Then GoSub ShowMissing
```

```
FileName = "STMT090.PRN"
```

```
If Dir$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag  
= False Then GoSub ShowMissing
```

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```
FileName = "CFLZ007.PRN"

If Dir$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag
= False Then GoSub ShowMissing

FileName = "CF__026.PRN"

5 If Dir$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag
= False Then GoSub ShowMissing

FileName = "CF__027.PRN"

If Dir$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1: If AutoFlag
= False Then GoSub ShowMissing

10 If FilesMissing = 0 Then

    SaveSetting App.Title, "Settings", "FilesVerified", Now

    MsgBox "All files needed to generate email are present.", vbInformation, "VERIFIED"
    "

Else

15 If AutoFlag = False Then

    If FilesMissing = 1 Then

        MsgBox "One file needed to generate eStatements is missing!", vbInformation,
        "MISSING FILES"

    Else

20 MsgBox FilesMissing & " files needed to generate eStatements are missing!",
vbInformation, "MISSING FILES"

    End If

    End If
```

End If

Exit Sub

'Show which file is missing if not Auto Generating

5 ShowMissing:

MsgBox FileName & " is missing.", vbInformation, "MISSING FILE"

Return

End Sub

10 Private Sub Timer1_Timer()

lblTime = Format\$(Now, "hh:mm AMPM")

If Not AutoFlag Then Exit Sub

If Now < NextTry Then Exit Sub

'Give it a try

15 'Check Files

Dim X%, FileName\$

FilesMissing = 0

FileName = "MNTB002.PRN"

20 If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "MNTB003.PRN"

5

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "MNTB004.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "MNTB005.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "TBAL005.PRN"

10

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "TBAL007.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "TBAL008.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

15

FileName = "PJNL001.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "PJNL002.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "STMT090.PRN"

20

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "CFLZ007.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "CF__026.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

FileName = "CF__027.PRN"

If Dir\$(ReportPath & FileName) = "" Then FilesMissing = FilesMissing + 1

5 If FilesMissing = 0 Then

SaveSetting App.Title, "Settings", "FilesVerified", Now

DoEvents

Else

lblMissing = FilesMissing

10 lblLastTry = Format\$(Now, "mm/dd/yyyy hh:mm:ss AMPM")

LastTry = lblLastTry

NextTry = DateAdd("n", Autol, LastTry)

lblNext = NextTry

DoEvents

15 Exit Sub

End If

On Error Resume Next

GMessage = "": GBalance = True: GTrans% = True: GStatement% = True: GLoans% = True:

GCSV% = True: GQwick% = True

20 frmGenerate.Show vbModal, Me

SaveSetting App.Title, "Settings", "LastAuto", Now

mnuExit_Click

Exit Sub

LastComplete = Now

lblLastComplete = Format\$(Now, "mm/dd/yyyy hh:mm:ss AMPM")

Dim StartTime As Date

StartTime = GetSetting(App.Title, "Settings", "AutoTime", "07:00 AM")

5 NextTry = Format\$(DateAdd("w", 1, LastComplete), "mm/dd/yyyy ") & StartTime

FilesMissing = 0

lblMissing = 0

lblNext = NextTry

DoEvents

10
End Sub

End Sub

frmMain - 1

VERSION 5.00

5 Object = "{F9043C88-F6F2-101A-A3C9-08002B2F49FB}#1.2#0"; "COMDLG32.OCX"

Begin VB.Form frmMain

Caption = "eStatement Main Menu"

ClientHeight = 5640

ClientLeft = 165

10 ClientTop = 450

ClientWidth = 8415

Icon = (Icon)

LinkTopic = "Form1"

ScaleHeight = 5640

15 ScaleWidth = 8415

StartPosition = 2 'CenterScreen

Begin VB.Timer Timer1

Interval = 65535

Left = 840

20 Top = 1140

End

Begin VB.Frame fraAuto

Caption = "Auto eMail is Active"

ForeColor = &H000000FF&

Height = 2355

Left = 2340

TabIndex = 1

5 Top = 300

Visible = 0 'False

Width = 4035

Begin VB.Label lblTime

BackColor = &H8000000E&

BorderStyle = 1 'Fixed Single

Height = 255

Left = 1560

TabIndex = 11

Top = 1860

Width = 1215

End

Begin VB.Label Label7

Caption = "Current Time:"

Height = 255

Left = 300

TabIndex = 10

Top = 1860

Width = 1275

End

Begin VB.Label lblMissing

BackColor = &H8000000E&

BorderStyle = 1 'Fixed Single

Height = 255

Left = 1560

TabIndex = 9

Top = 1500

Width = 615

End

Begin VB.Label Label6

Caption = "Missing Files:"

Height = 255

Left = 300

TabIndex = 8

Top = 1500

Width = 1275

End

Begin VB.Label lblLastTry

BackColor = &H8000000E&

BorderStyle = 1 'Fixed Single

Height = 255

5 Left = 1560

TabIndex = 7

Top = 1140

Width = 2295

End

10 Begin VB.Label Label5

Caption = "Last Attempt:"

Height = 255

Left = 300

TabIndex = 6

15 Top = 1180

Width = 1275

End

Begin VB.Label lblLastComplete

BackColor = &H8000000E&

20 BorderStyle = 1 'Fixed Single

Height = 255

Left = 1560

TabIndex = 5

Top = 420

Width = 2295

End

Begin VB.Label lblNext

5 BackColor = &H8000000E&

BorderStyle = 1 'Fixed Single

Height = 255

Left = 1560

TabIndex = 4

Top = 780

Width = 2295

End

Begin VB.Label Label3

Caption = "Next Schedule:"

Height = 255

Left = 300

TabIndex = 3

Top = 780

Width = 1275

End

Begin VB.Label Label2

Caption = "Last Complete:"

Height = 255

Left = 300
TabIndex = 2
Top = 420
Width = 1275

5 End

End

Begin MSComDlg.CommonDialog dlgCommonDialog

Left = 3180
Top = 1350
_ExtentX = 847
_ExtentY = 847
_Version = 393216

End

Begin VB.Label lblUsersDisabled

Caption = "WARNING! USERS ARE DISABLED!"

BeginProperty Font

Name = "MS Sans Serif"
Size = 12
Charset = 0
Weight = 700
Underline = 0 'False

Italic = 0 'False

5 Strikethrough = 0 'False

EndProperty

ForeColor = &H000000FF&

Height = 255

Left = 240

10 TabIndex = 12

Top = 60

Visible = 0 'False

Width = 4635

End

15 Begin VB.Line Line1

X1 = 0

X2 = 11000

Y1 = 0

Y2 = 0

20 End

Begin VB.Label Label1

Alignment = 2 'Center

AutoSize = -1 'True

Height = 195

Left = 4920

TabIndex = 0

Top = 1440

5 Visible = 0 'False

Width = 75

End

Begin VB.Menu mnuDataUsers

Caption = "&Customers"

End

Begin VB.Menu mnuOptions

Caption = "&Options"

Begin VB.Menu mnuChangeReportPath

Caption = "&Change Report Path"

End

Begin VB.Menu mnuChangeLoanPath

Caption = "Change &Loan Data Path"

End

Begin VB.Menu mnuNameChange

Caption = "Change &System Information"

End

Begin VB.Menu mnuEditAutoEmail

Caption = "Edit Auto e-Mail &Settings"

End

Begin VB.Menu mnuTranCodes

 Caption = "&Edit Tran Codes"

End

5 Begin VB.Menu mnuEnable_Disable

 Caption = "&Enable/Disable"

 Begin VB.Menu mnuEnable

 Caption = "&Enable All"

 End

10 Begin VB.Menu mnuDisable

 Caption = "&Disable All"

 End

End

Begin VB.Menu mnuSelected

 Caption = "&Generate Selected e-Mail"

End

End

Begin VB.Menu mnuVerify

 Caption = "&Verify Files"

20 End

Begin VB.Menu mnuEnableAutoeMail

Caption = "&Enable Auto e-Mail"

5 End

Begin VB.Menu mnuDisableAutoeMail

 Caption = "&Disable Auto e-Mail"

 Visible = 0 'False

End

10 Begin VB.Menu mnuGenerate

 Caption = "&Generate e-Mail"

Begin VB.Menu mnuGenerateCurrent

 Caption = "Generate &Current"

End

15 Begin VB.Menu mnuGeneratePrior

 Caption = "General &Prior"

End

End

Begin VB.Menu mnuBroadcast

20 Caption = "&Broadcast"

End

Begin VB.Menu mnuHelp

 Caption = "&Help"

Begin VB.Menu mnuHelpContents

 Caption = "&Contents"

End

Begin VB.Menu mnuHelpSearchForHelpOn

5 Caption = "&Search For Help On..."

End

Begin VB.Menu mnuHelpBar0

 Caption = "-"

End

10 Begin VB.Menu mnuHelpAbout

 Caption = "&About "

End

End

Begin VB.Menu mnuExit

15 Caption = "&Exit"

End

End

frmNameChange - 1

Option Explicit

5

Private Sub cmdClose_Click()

Unload Me

Set frmNameChange = Nothing

End Sub

10

Private Sub cmdSave_Click()

Dim X%

X% = Val(txtStatementFont)

If X% > 8 Or X% < 2 Then

15

MsgBox "Valid font sizes are from 2 to 8 only!" & vbCrLf & vbCrLf & "Try Again!",

vbInformation, "INVALID FONT SIZE"

Exit Sub

End If

SaveSetting App.Title, "Settings", "SystemName", Trim\$(txtSystemName)

20

SaveSetting App.Title, "Settings", "BankName", Trim\$(txtBankName)

SaveSetting App.Title, "Settings", "StatementFont", Trim\$(txtStatementFont)

SaveSetting App.Title, "Settings", "GIFName", Trim\$(txtGifName)

SystemName\$ = Trim\$(txtSystemName)

en

MsgBox "Invalid file type. JPG or GIF only.", vbInformation, "FILE TYPE ERROR"

Exit Sub

End If

5 txtGifName = CommonDialog1.FileName

End Sub

Private Sub Form_Load()

10 Me.Caption = SystemName & " " & Me.Caption

txtSystemName = GetSetting(App.Title, "Settings", "SystemName", "eStatement")

txtBankName = GetSetting(App.Title, "Settings", "BankName", "Demo Bank")

txtStatementFont = GetSetting(App.Title, "Settings", "StatementFont", "6")

txtGifName = GetSetting(App.Title, "Settings", "GIFName", "")

15 End Sub

frmNameChange - 1

VERSION 5.00

5 Object = "{F9043C88-F6F2-101A-A3C9-08002B2F49FB}#1.2#0"; "COMDLG32.OCX"

Begin VB.Form frmNameChange

Caption = "Change System Information"

ClientHeight = 2535

ClientLeft = 60

ClientTop = 345

ClientWidth = 5430

LinkTopic = "Form1"

ScaleHeight = 2535

ScaleWidth = 5430

StartPosition = 1 'CenterOwner

Begin MSCComDlg.CommonDialog CommonDialog1

Left = 4260

Top = 2100

_ExtentX = 847

_ExtentY = 847

_Version = 393216

End

Begin VB.CommandButton cmdBrowse

Caption = "&Browse"

Height = 315

Left = 4560

TabIndex = 11

5 Tag = "OK"

Top = 1500

Width = 795

End

Begin VB.TextBox txtGifName

10 Height = 315

Left = 1740

TabIndex = 9

Top = 1500

Width = 2715

15 End

Begin VB.CommandButton cmdSave

Caption = "&Save"

Height = 375

Left = 1418

20 TabIndex = 7

Tag = "OK"

Top = 2025

Width = 1095

End

Begin VB.CommandButton cmdClose

Cancel = -1 'True

Caption = "&Close"

5 Height = 375

Left = 2918

TabIndex = 6

Tag = "Cancel"

Top = 2025

10 Width = 1095

End

Begin VB.TextBox txtStatementFont

Height = 315

Left = 1740

15 MaxLength = 2

TabIndex = 5

Top = 1080

Width = 435

End

20 Begin VB.TextBox txtBankName

Height = 315

frmNameChange - 2

Left = 1740

5 TabIndex = 3

Top = 660

Width = 2715

End

Begin VB.TextBox txtSystemName

10 Height = 315

Left = 1740

TabIndex = 1

Top = 240

Width = 2715

End

Begin VB.Label Label1

Caption = "Statement Graphic:"

Height = 255

Index = 4

20 Left = 120

TabIndex = 10

Top = 1500

Width = 1575

End

Begin VB.Label Label1

Caption = "(2 to 8)"

Height = 255

5 Index = 3

Left = 2340

TabIndex = 8

Top = 1080

Width = 1575

End

Begin VB.Label Label1

Caption = "Statement Font Size:"

Height = 255

Index = 2

Left = 120

TabIndex = 4

Top = 1080

Width = 1575

End

Begin VB.Label Label1

Caption = "Bank Name:"

Height = 255

Index = 1

Left = 120

TabIndex = 2

Top = 660

Width = 1575

5 End

Begin VB.Label Label1

Caption = "System Name:"

Height = 255

Index = 0

Left = 120

TabIndex = 0

Top = 240

Width = 1575

End

End

frmSelected - 1

Option Explicit

5

Private Sub cmdCancel_Click()

Unload Me

Set frmSelected = Nothing

End Sub

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Private Sub cmdContinue_Click()

Dim X%, T%

If Check1(0) = 1 Then GBalance% = True Else GBalance% = False

If Check1(1) = 1 Then GTrans% = True Else GTrans% = False

If Check1(2) = 1 Then GLoans% = True Else GLoans% = False

If Check1(3) = 1 Then GStatement% = True Else GStatement% = False

If Check1(4) = 1 Then GCSV% = True Else GCSV% = False

If Check1(5) = 1 Then GQwick% = True Else GQwick% = False

For X% = 0 To 5

20

T% = T% + Check1(X%)

Next

If T% = 0 Then

MsgBox "You must select at least one option to generate.", vbInformation, "NOTHING

TO DO"

Exit Sub

End If

GMessage = Trim\$(Text1)

5 If Trim\$(Text1) = "" Then

If MsgBox("No message has been entered, do you wish to continue?", vbQuestion + vb

YesNo + vbDefaultButton2, "MESSAGE OPTION") <> vbYes Then Exit Sub

End If

On Error Resume Next

10 Me.Hide

frmGenerate.Show

On Error GoTo 0

cmdCancel_Click

End Sub

15 Private Sub Form_Load()

Me.Caption = SystemName & " " & Me.Caption

End Sub

frmSelected - 1

VERSION 5.00

5 Begin VB.Form frmSelected

BorderStyle = 3 'Fixed Dialog

Caption = "Selective Send"

ClientHeight = 4005

ClientLeft = 45

ClientTop = 330

ClientWidth = 4680

Icon = (Icon)

LinkTopic = "Form1"

MaxButton = 0 'False

MinButton = 0 'False

ScaleHeight = 4005

ScaleWidth = 4680

ShowInTaskbar = 0 'False

StartPosition = 2 'CenterScreen

20 Begin VB.TextBox Text1

Height = 915

Left = 360

MultiLine = -1 'True

5 End

End

End

[illegible]

Caption = "Generate Qwicken Attachments"

Height = 255

Index = 5

Left = 960

5 TabIndex = 5

Top = 1980

Width = 2895

End

Begin VB.CheckBox Check1

10 Caption = "Generate CSV Attachments"

Height = 255

Index = 4

Left = 960

TabIndex = 4

15 Top = 1620

Width = 2895

End

Begin VB.CheckBox Check1

Caption = "Generate Statement Attachments"

20 Height = 255

Index = 3

Left = 960

5 TabIndex = 3

Top = 1260

Width = 2895

End

Begin VB.CheckBox Check1

10 Caption = "Generate Loan Information"

Height = 255

Index = 2

Left = 960

TabIndex = 2

15 Top = 900

Width = 2895

End

Begin VB.CheckBox Check1

Caption = "Generate Transactions"

20 Height = 255

Index = 1

Left = 960

TabIndex = 1

Top = 540
Width = 2895

End

Begin VB.CheckBox Check1

5 Caption = "Generate Balance Information"

Height = 255

Index = 0

Left = 960

TabIndex = 0

10 Top = 180

Width = 2895

End

Begin VB.Label Label1

Caption = "Message:"

15 Height = 255

Left = 60

TabIndex = 9

Top = 2280

Width = 1155

20 End

End

1. *Staphylococcus aureus*
2. *Staphylococcus aureus*
3. *Staphylococcus aureus*
4. *Staphylococcus aureus*
5. *Staphylococcus aureus*
6. *Staphylococcus aureus*
7. *Staphylococcus aureus*
8. *Staphylococcus aureus*
9. *Staphylococcus aureus*
10. *Staphylococcus aureus*

[illegible]

End Sub

VERSION 5.00

5 Begin VB.Form frmSplash

BorderStyle = 3 'Fixed Dialog

ClientHeight = 4710

ClientLeft = 45

ClientTop = 45

ClientWidth = 7455

ControlBox = 0 'False

LinkTopic = "Form1"

MaxButton = 0 'False

MinButton = 0 'False

ScaleHeight = 4710

ScaleWidth = 7455

ShowInTaskbar = 0 'False

StartPosition = 2 'CenterScreen

Visible = 0 'False

20 Begin VB.Frame fraMainFrame

Height = 4590

Left = 60

TabIndex = 0

Top = -15

Width = 7380

Begin VB.PictureBox picIcon

AutoSize = -1 'True

5 BackColor = &H00C0C0C0&

ClipControls = 0 'False

Height = 1260

Left = 420

Picture = (Bitmap)

10 ScaleHeight = 1200

ScaleMode = 0 'User

ScaleWidth = 1200

TabIndex = 7

TabStop = 0 'False

15 Top = 600

Width = 1260

End

Begin VB.Label lblLicenseTo

Alignment = 1 'Right Justify

20 Caption = "LicenseTo: Lamar Bank - Beaumont Texas "

Height = 255

Left = 270

TabIndex = 1

Tag = "LicenseTo"

Top = 300

Width = 6855

End

5 Begin VB.Label lblProductName

AutoSize = -1 'True

Caption = "Product"

BeginProperty Font

Name = "Lucida Calligraphy"

Size = 24

Charset = 0

Weight = 700

Underline = 0 'False

Italic = 0 'False

Strikethrough = 0 'False

EndProperty

Height = 615

Left = 2670

TabIndex = 6

Tag = "Product"

Top = 1200

Width = 3120

5 End

Begin VB.Label lblCompanyProduct

AutoSize = -1 'True

Caption = "CompanyProduct"

BeginProperty Font

10 Name = "MS Sans Serif"

Size = 13.5

Charset = 0

Weight = 700

Underline = 0 'False

15 Italic = 0 'False

Strikethrough = 0 'False

EndProperty

Height = 360

Left = 2505

20 TabIndex = 5

Tag = "CompanyProduct"

Top = 765

Width = 2415

End

Begin VB.Label lblPlatform

Alignment = 1 'Right Justify

AutoSize = -1 'True

5 Caption = "Platform Windows 95+"

BeginProperty Font

Name = "MS Sans Serif"

Size = 13.5

Charset = 0

10 Weight = 700

Underline = 0 'False

Italic = 0 'False

Strikethrough = 0 'False

EndProperty

15 Height = 360

Left = 3900

TabIndex = 4

Tag = "Platform"

Top = 2400

20 Width = 3105

End

Begin VB.Label lblVersion

Alignment = 1 'Right Justify

AutoSize = -1 'True

Caption = "Version"

BeginProperty Font

Name = "MS Sans Serif"

5 Size = 12

Charset = 0

Weight = 700

Underline = 0 'False

Italic = 0 'False

10 Strikethrough = 0 'False

EndProperty

Height = 300

Left = 6075

TabIndex = 3

15 Tag = "Version"

Top = 2760

Width = 930

End

Begin VB.Label lblWarning

20 Caption = "Warning: Copyright 1999-2000, Resource Development Sys

BeginProperty Font

```

    Name      = "MS Sans Serif"
5    Size      = 9.75
    Charset    = 0
    Weight     = 700
    Underline  = 0 'False
    Italic     = 0 'False
10   Strikethrough = 0 'False
    EndProperty
    Height     = 615
    Left       = 300
    TabIndex   = 2
15   Tag       = "Warning"
    Top        = 3720
    Width      = 6855
    End
    End
20 End
```

Option Explicit

5 Private Sub cmdAdd_Click()
 datPrimaryRS.Recordset.AddNew
End Sub

Private Sub cmdDelete_Click()

10 With datPrimaryRS.Recordset
 .Delete
 .MoveNext
 If .EOF Then .MoveLast
End With
15 End Sub

Private Sub cmdRefresh_Click()

'This is only needed for multi user apps

datPrimaryRS.Refresh

20 End Sub

Private Sub cmdUpdate_Click()

datPrimaryRS.UpdateRecord

datPrimaryRS.Recordset.Bookmark = datPrimaryRS.Recordset.LastModified

End Sub

Private Sub cmdClose_Click()

5 Screen.MousePointer = vbDefault

 Unload Me

End Sub

Private Sub datPrimaryRS_Error(DataErr As Integer, Response As Integer)

10 'This is where you would put error handling code

 'If you want to ignore errors, comment out the next line

 'If you want to trap them, add code here to handle them

 MsgBox "Data error event hit err." & Error\$(DataErr)

 Response = 0 'Throw away the error

15 End Sub

Private Sub datPrimaryRS_Reposition()

 Screen.MousePointer = vbDefault

 On Error Resume Next

20 'This will display the current record position for dynasets and snapshots

 datPrimaryRS.Caption = "Trancode: " & (datPrimaryRS.Recordset.AbsolutePosition + 1)

End Sub

Private Sub datPrimaryRS_Validate(Action As Integer, Save As Integer)

'This is where you put validation code

'This event gets called when the following actions occur

Select Case Action

5 Case vbDataActionMoveFirst

Case vbDataActionMovePrevious

Case vbDataActionMoveNext

Case vbDataActionMoveLast

Case vbDataActionAddNew

10 Case vbDataActionUpdate

Case vbDataActionDelete

Case vbDataActionFind

Case vbDataActionBookmark

Case vbDataActionClose

15 Screen.MousePointer = vbDefault

End Select

Screen.MousePointer = vbHourglass

End Sub

20 Private Sub Form_Load()

Me.Caption = SystemName & " " & Me.Caption

VERSION 5.00

```
5  Begin VB.Form frmTranCodes

    BorderStyle   = 3 'Fixed Dialog
    Caption       = "Tran Codes"
    ClientHeight  = 1695
    ClientLeft    = 1095
    ClientTop     = 330
    ClientWidth   = 5550
    Icon          = (Icon)
    LinkTopic     = "Form2"
    MaxButton     = 0 'False
    MinButton     = 0 'False
    ScaleHeight   = 1695
    ScaleWidth    = 5550
    ShowInTaskbar = 0 'False
    StartUpPosition = 2 'CenterScreen

20 Begin VB.PictureBox picButtons

    Align         = 2 'Align Bottom
    Appearance    = 0 'Flat
    BorderStyle   = 0 'None
```

ForeColor = &H80000008&

Height = 300

Left = 0

ScaleHeight = 300

5 ScaleWidth = 5550

TabIndex = 6

Top = 1050

Width = 5550

Begin VB.CommandButton cmdClose

10 Caption = "&Close"

Height = 300

Left = 4505

TabIndex = 11

Top = 0

15 Width = 975

End

Begin VB.CommandButton cmdUpdate

Caption = "&Update"

Height = 300

20 Left = 3409

TabIndex = 10

Top = 0

Width = 975

End

Begin VB.CommandButton cmdRefresh

Caption = "&Refresh"

Height = 300

5 Left = 2313

TabIndex = 9

Top = 0

Width = 975

End

Begin VB.CommandButton cmdDelete

Caption = "&Delete"

Height = 300

Left = 1217

TabIndex = 8

Top = 0

Width = 975

End

Begin VB.CommandButton cmdAdd

Caption = "&Add"

20 Height = 300

Left = 121

```

    TablIndex    = 7
5      Top       = 0
      Width      = 975
      End
End
Begin VB.Data datPrimaryRS
10      Align      = 2 'Align Bottom
      Caption     = " "
      Connect      = "Access"
      DatabaseName = "C:\ebalance\ebalance.mdb"
      DefaultCursorType= 0 'DefaultCursor
15      DefaultType = 2 'UseODBC
      Exclusive    = 0 'False
      Height       = 345
      Left         = 0
      Options      = 0
20      ReadOnly   = 0 'False
      RecordsetType = 1 'Dynaset
      RecordSource = "select * from [Tran Codes]"
      Top         = 1350
```

Width = 5550

End

Begin VB.CheckBox chkFields

DataField = "Action"

5 DataSource = "datPrimaryRS"

Height = 285

Index = 2

Left = 2040

TabIndex = 5

10 Top = 700

Width = 3375

End

Begin VB.TextBox txtFields

DataField = "Description"

15 DataSource = "datPrimaryRS"

Height = 285

Index = 1

Left = 2040

MaxLength = 30

20 TabIndex = 3

Top = 380

Width = 3375

End

Begin VB.TextBox txtFields

DataField = "TC"

DataSource = "datPrimaryRS"

Height = 285

5 Index = 0

Left = 2040

TabIndex = 1

Top = 60

Width = 735

10 End

Begin VB.Label lblLabels

Caption = "Debit:"

Height = 255

Index = 2

15 Left = 120

TabIndex = 4

Top = 700

Width = 1815

End

20 Begin VB.Label lblLabels

Caption = "Description:"

```

    Height      = 255
5    Index      = 1
    Left        = 120
    TabIndex    = 2
    Top         = 380
    Width       = 1815
10   End
    Begin VB.Label lblLabels
        Caption   = "Transaction Code:"
        Height    = 255
        Index     = 0
        Left      = 120
15   Left      = 120
        TabIndex  = 0
        Top       = 60
        Width     = 1815
    End
20   End
```

frmUsers - 1

Option Explicit

5 Function MakeAlpha(AcctName As String)

Dim L%, X%

'Remove all commas

Do

L% = InStr(AcctName, ",")

10 If L% <> 0 Then Mid\$(AcctName, L%) = " "

Loop Until L% = 0

'Remove NickNames "(JIM)"

15 L% = InStr(AcctName, "(")

If L% <> 0 Then

X% = InStr(AcctName, ")")

On Error Resume Next

If X% <> 0 Then AcctName = Trim\$(Left\$(AcctName, L% - 1)) & " " & Trim\$(Mid\$(AcctN

20 ame, X% + 1))

On Error GoTo 0

End If

'Remove Brackets

L% = InStr(AcctName, "[")

If L% <> 0 Then

X% = InStr(AcctName, "]")

5 On Error Resume Next

If X% <> 0 Then AcctName = Trim\$(Trim\$(Left\$(AcctName, L% - 1)) & " " & Trim\$(Mid\$(

(AcctName, X% + 1)))

On Error GoTo 0

End If

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500

'Remove 'THE'

If Left\$(AcctName, 4) = "THE " Then AcctName = Mid\$(AcctName, 5)

GoSub RemoveDouble

BackName:

'Find and Remove Suffixs

X% = Len(AcctName)

Do

20 If Mid\$(AcctName, X%, 1) = " " Then Exit Do

X% = X% - 1

Loop Until X% = 0

Select Case Mid\$(AcctName, X% + 1)

Case "SR", "JR", "AND", "III", "OR", "MD", "DDS", "DVM", "DBA", "CPA", "II", "IV"

AcctName = Left\$(AcctName, X% - 1)

GoTo BackName

Case "SR.", "JR.", "M.D.", "D.D.S.", "D.V.M.", "D.B.A.", "C.P.A."

5 AcctName = Left\$(AcctName, X% - 1)

GoTo BackName

Case "COMPANY", "CO", "INC", "CLUB", "INC.", "CO.", "ASSOC.", "ASSOC", "ASSOCIATES"

GoSub StripPeroids

MakeAlpha = Left\$(Trim\$(AcctName), 12): Exit Function

10 Case Else

GoSub StripPeroids

X% = Len(AcctName)

Do

If Mid\$(AcctName, X%, 1) = " " Then Exit Do

15 X% = X% - 1

Loop Until X% = 0

MakeAlpha = Mid\$(AcctName, X% + 1) & " " + Left\$(AcctName, X% - 1)

End Select

Exit Function

20

StripPeroids:

frmUsers - 2

Do

5 L% = InStr(AcctName, ".")
 If L% <> 0 Then Mid\$(AcctName, L%) = " ": AcctName = Trim\$(AcctName)

Loop Until L% = 0

RemoveDouble:

'Remove Double Spaces

10 Do
 L% = InStr(AcctName, " ")
 If L% <> 0 Then AcctName = Left\$(AcctName, L%) & Trim\$(Mid\$(AcctName, L%))

Loop While L% <> 0

Return

15 End Function

Private Sub cmdAccounts_Click()

CurrentID = txtFields(0)

frmAccounts.Show vbModal, Me

20 End Sub

Private Sub cmdAdd_Click()

datPrimaryRS.Recordset.AddNew

txtFields(0) = datPrimaryRS.Recordset![ID]

txtFields(3) = Format\$(Now, "mm/dd/yyyy")

txtFields(1).SetFocus

End Sub

5

Private Sub cmdDelete_Click()

If MsgBox("Delete this user?", vbYesNo + vbQuestion, "DELETE USER") <> vbYes Then E

xit Sub

10

Dim SQL\$

SQL\$ = "Delete from Accounts where [User ID] =" & txtFields(0)

dbms.Execute SQL\$

With datPrimaryRS.Recordset

.Delete

15

.MoveNext

If .EOF Then .MoveLast

End With

cmdClose_Click

End Sub

20

Private Sub cmdUpdate_Click()

```

On Error Resume Next

    datPrimaryRS.UpdateRecord

If Err Then

    MsgBox "An error has occurred in this update. " & Error$, vbOKOnly, "UPDATE ERROR"

5   End If

On Error GoTo 0

datPrimaryRS.Recordset.Bookmark = datPrimaryRS.Recordset.LastModified

txtFields(0) = CurrentID

txtFields(1).SetFocus

10  Screen.MousePointer = 0

    End Sub


    Private Sub cmdClose_Click()

        Screen.MousePointer = vbDefault

15  Unload Me

    End Sub


    Private Sub Combo1_Change()

20  End Sub

```

```
5 Private Sub datPrimaryRS_Error(DataErr As Integer, Response As Integer)

    'This is where you would put error handling code

    'If you want to ignore errors, comment out the next line

    'If you want to trap them, add code here to handle them

    MsgBox "Data error event hit err:" & Error$(DataErr)

10 Response = 0 'Throw away the error

End Sub


Private Sub datPrimaryRS_Reposition()

    Screen.MousePointer = vbDefault

15 On Error Resume Next

    'This will display the current record position for dynasets and snapshots

    datPrimaryRS.Caption = "User: " & (datPrimaryRS.Recordset.AbsolutePosition + 1)

End Sub


20 Private Sub datPrimaryRS_Validate(Action As Integer, Save As Integer)

    'This is where you put validation code

    'This event gets called when the following actions occur

    Select Case Action
```

Case vbDataActionMoveFirst

Case vbDataActionMovePrevious

Case vbDataActionMoveNext

Case vbDataActionMoveLast

5 Case vbDataActionAddNew

Case vbDataActionUpdate

Case vbDataActionDelete

Case vbDataActionFind

Case vbDataActionBookmark

10 Case vbDataActionClose

Screen.MousePointer = vbDefault

End Select

Screen.MousePointer = vbHourglass

End Sub

15 Private Sub Form_Load()

Me.Caption = SystemName & " " & Me.Caption

datPrimaryRS.DatabaseName = App.Path & "\eStatement.mdb"

datPrimaryRS.RecordSource = "select * from [Users] Where [ID] = " & CurrentID

20 datPrimaryRS.Refresh

datPrimaryRS.Recordset.MoveFirst

End Sub

VERSION 5.00

```
5  Begin VB.Form frmUsers

    BorderStyle   = 3 'Fixed Dialog

    Caption       = "Customer Setup"

    ClientHeight  = 3690

    ClientLeft    = 1095

10   ClientTop     = 330

    ClientWidth   = 5550

    Icon          = (Icon)

    LinkTopic     = "Form2"

    LockControls  = -1 'True

15   MaxButton     = 0 'False

    MinButton     = 0 'False

    ScaleHeight   = 3690

    ScaleWidth    = 5550

    ShowInTaskbar = 0 'False

20   StartUpPosition = 2 'CenterScreen

    Begin VB.CheckBox chkFields

        DataField    = "No Ad"

        DataSource    = "datPrimaryRS"
```

Height = 285

Index = 2

Left = 2040

TabIndex = 5

5 Top = 2040

Width = 3375

End

Begin VB.CheckBox chkFields

DataField = "Send Rates"

10 DataSource = "datPrimaryRS"

Height = 285

Index = 1

Left = 2040

TabIndex = 6

15 Top = 2385

Width = 3375

End

Begin VB.TextBox txtFields

DataField = "Sort Name"

20 DataSource = "datPrimaryRS"

Height = 315

Index = 4

Left = 2040

MaxLength = 50

TabIndex = 7

Top = 2760

Width = 3135

5 End

Begin VB.CheckBox chkFields

DataField = "Suspend"

DataSource = "datPrimaryRS"

Height = 285

Index = 0

Left = 2040

TabIndex = 4

Top = 1680

Width = 3375

End

Begin VB.TextBox txtFields

DataField = "Date Added"

DataSource = "datPrimaryRS"

Height = 315

Index = 3

Left = 4380

MaxLength = 10

5 TabIndex = 19

Top = 0

Visible = 0 'False

Width = 315

End

10 Begin VB.PictureBox picButtons

Align = 2 'Align Bottom

Appearance = 0 'Flat

BorderStyle = 0 'None

ForeColor = &H80000000&

15 Height = 300

Left = 0

ScaleHeight = 300

ScaleWidth = 5550

TabIndex = 15

20 Top = 3045

Width = 5550

Begin VB.CommandButton cmdAccounts

Caption = "&Accounts"

Height = 300

Left = 3420

TabIndex = 21

TabStop = 0 'False

5 Top = 0

Width = 975

End

Begin VB.CommandButton cmdClose

Caption = "&Close"

Height = 300

Left = 4505

TabIndex = 18

TabStop = 0 'False

Top = 0

Width = 975

End

Begin VB.CommandButton cmdUpdate

Caption = "&Update"

Height = 300

Left = 2325

TabIndex = 8

Top = 0

Width = 975

End

Begin VB.CommandButton cmdDelete

Caption = "&Delete"

Height = 300

Left = 1217

TabIndex = 17

TabStop = 0 'False

Top = 0

Width = 975

End

Begin VB.CommandButton cmdAdd

Caption = "&Add"

Height = 300

Left = 121

TabIndex = 16

TabStop = 0 'False

Top = 0

Width = 975

End

End

Begin VB.Data datPrimaryRS

Align = 2 'Align Bottom

5 Caption = " "

Connect = "Access"

DatabaseName = "C:\statement\statement.mdb"

DefaultCursorType= 0 'DefaultCursor

DefaultType = 2 'UseODBC

10 Exclusive = 0 'False

Height = 345

Left = 0

Options = 0

ReadOnly = 0 'False

15 RecordsetType = 1 'Dynaset

RecordSource = "select * from [Users] Order by [Address Name]"

Top = 3345

Visible = 0 'False

Width = 5550

20 End

Begin VB.CheckBox chkFields

DataField = "Confirmed"

DataSource = "datPrimaryRS"

Height = 285

Index = 4

Left = 2040

TabIndex = 3

5 Top = 1340

Width = 3375

End

Begin VB.CheckBox chkFields

DataField = "Charge"

10 DataSource = "datPrimaryRS"

Height = 285

Index = 3

Left = 2040

TabIndex = 2

15 Top = 1020

Width = 3375

End

Begin VB.TextBox txtFields

DataField = "e-Mail Address"

20 DataSource = "datPrimaryRS"

Height = 285

Index = 2

Left = 2040

MaxLength = 50

TabIndex = 1

Top = 700

Width = 3135

5 End

Begin VB.TextBox txtFields

BackColor = &H80000004&

DataField = "ID"

DataSource = "datPrimaryRS"

Enabled = 0 'False

Height = 285

Index = 0

Left = 2040

TabIndex = 10

Top = 60

Width = 735

End

Begin VB.TextBox txtFields

DataField = "Address Name"

DataSource = "datPrimaryRS"

Height = 315

Index = 1

5 Left = 2040

MaxLength = 50

TabIndex = 0

Top = 380

Width = 3135

10 End

Begin VB.Label lblLabels

Caption = "Do not Send Ads:"

Height = 255

Index = 8

Left = 120

TabIndex = 24

Top = 2040

Width = 1815

End

20 Begin VB.Label lblLabels

Caption = "Send C.D. Rates:"

Height = 255

Index = 7

Left = 120
TabIndex = 23
Top = 2385
Width = 1815

5 End

Begin VB.Label lblLabels

Caption = "Sort Name:"
Height = 255
Index = 6
Left = 120
TabIndex = 22
Top = 2760
Width = 1815

End

Begin VB.Label lblLabels

Caption = "Suspend e-Mail:"
Height = 255
Index = 5
Left = 120
TabIndex = 20
Top = 1680
Width = 1815

End

Begin VB.Label lblLabels

Caption = "Confirmed:"

Height = 255

Index = 4

5 Left = 120

TabIndex = 14

Top = 1340

Width = 1815

End

Begin VB.Label lblLabels

Caption = "Charge:"

Height = 255

Index = 3

Left = 120

TabIndex = 13

Top = 1020

Width = 1815

End

Begin VB.Label lblLabels

20 Caption = "eMail Address:"

Height = 255

| 10 | | 15 | |
|------|---------|------|---------|
| Year | Country | Year | Country |
| 1990 | USA | 1990 | USA |
| 1991 | USA | 1991 | USA |
| 1992 | USA | 1992 | USA |
| 1993 | USA | 1993 | USA |
| 1994 | USA | 1994 | USA |
| 1995 | USA | 1995 | USA |
| 1996 | USA | 1996 | USA |
| 1997 | USA | 1997 | USA |
| 1998 | USA | 1998 | USA |
| 1999 | USA | 1999 | USA |
| 2000 | USA | 2000 | USA |
| 2001 | USA | 2001 | USA |
| 2002 | USA | 2002 | USA |
| 2003 | USA | 2003 | USA |
| 2004 | USA | 2004 | USA |
| 2005 | USA | 2005 | USA |
| 2006 | USA | 2006 | USA |
| 2007 | USA | 2007 | USA |
| 2008 | USA | 2008 | USA |
| 2009 | USA | 2009 | USA |
| 2010 | USA | 2010 | USA |
| 2011 | USA | 2011 | USA |
| 2012 | USA | 2012 | USA |
| 2013 | USA | 2013 | USA |
| 2014 | USA | 2014 | USA |
| 2015 | USA | 2015 | USA |
| 2016 | USA | 2016 | USA |
| 2017 | USA | 2017 | USA |
| 2018 | USA | 2018 | USA |
| 2019 | USA | 2019 | USA |
| 2020 | USA | 2020 | USA |
| 2021 | USA | 2021 | USA |
| 2022 | USA | 2022 | USA |
| 2023 | USA | 2023 | USA |
| 2024 | USA | 2024 | USA |
| 2025 | USA | 2025 | USA |
| 2026 | USA | 2026 | USA |
| 2027 | USA | 2027 | USA |
| 2028 | USA | 2028 | USA |
| 2029 | USA | 2029 | USA |
| 2030 | USA | 2030 | USA |
| 2031 | USA | 2031 | USA |
| 2032 | USA | 2032 | USA |
| 2033 | USA | 2033 | USA |
| 2034 | USA | 2034 | USA |
| 2035 | USA | 2035 | USA |
| 2036 | USA | 2036 | USA |
| 2037 | USA | 2037 | USA |
| 2038 | USA | 2038 | USA |
| 2039 | USA | 2039 | USA |
| 2040 | USA | 2040 | USA |
| 2041 | USA | 2041 | USA |
| 2042 | USA | 2042 | USA |
| 2043 | USA | 2043 | USA |
| 2044 | USA | 2044 | USA |
| 2045 | USA | 2045 | USA |
| 2046 | USA | 2046 | USA |
| 2047 | USA | 2047 | USA |
| 2048 | USA | 2048 | USA |
| 2049 | USA | 2049 | USA |
| 2050 | USA | 2050 | USA |
| 2051 | USA | 2051 | USA |
| 2052 | USA | 2052 | USA |
| 2053 | USA | 2053 | USA |
| 2054 | USA | 2054 | USA |
| 2055 | USA | 2055 | USA |
| 2056 | USA | 2056 | USA |
| 2057 | USA | 2057 | USA |
| 2058 | USA | 2058 | USA |
| 2059 | USA | 2059 | USA |
| 2060 | USA | 2060 | USA |
| 2061 | USA | 2061 | USA |
| 2062 | USA | 2062 | USA |
| 2063 | USA | 2063 | USA |
| 2064 | USA | 2064 | USA |
| 2065 | USA | 2065 | USA |
| 2066 | USA | 2066 | USA |
| 2067 | USA | 2067 | USA |
| 2068 | USA | 2068 | USA |
| 2069 | USA | 2069 | USA |
| 2070 | USA | 2070 | USA |
| 2071 | USA | 2071 | USA |
| 2072 | USA | 2072 | USA |
| 2073 | USA | 2073 | USA |
| 2074 | USA | 2074 | USA |
| 2075 | USA | 2075 | USA |
| 2076 | USA | 2076 | USA |
| 2077 | USA | 2077 | USA |
| 2078 | USA | 2078 | USA |
| 2079 | USA | 2079 | USA |
| 2080 | USA | 2080 | USA |
| 2081 | USA | 2081 | USA |
| 2082 | USA | 2082 | USA |
| 2083 | USA | 2083 | USA |
| 2084 | USA | 2084 | USA |
| 2085 | USA | 2085 | USA |
| 2086 | USA | 2086 | USA |
| 2087 | USA | 2087 | USA |
| 2088 | USA | 2088 | USA |
| 2089 | USA | 2089 | USA |
| 2090 | USA | 2090 | USA |
| 2091 | USA | 2091 | USA |
| 2092 | USA | 2092 | USA |
| 2093 | USA | 2093 | USA |
| 2094 | USA | 2094 | USA |
| 2095 | USA | 2095 | USA |
| 2096 | USA | 2096 | USA |
| 2097 | USA | 2097 | USA |
| 2098 | USA | 2098 | USA |
| 2099 | USA | 2099 | USA |
| 2100 | USA | | |

Top = 700

End

Caption = "Address Name:"

Index = 1

TablIndex = 11

Top = 380

End

Caption = "Customer ID:"

Height = 255

Index = 0

Left = 120

[illegible]

| 10 | |
|--------|----------|
| 10.1 | 10.1.1 |
| 10.2 | 10.2.1 |
| 10.3 | 10.3.1 |
| 10.4 | 10.4.1 |
| 10.5 | 10.5.1 |
| 10.6 | 10.6.1 |
| 10.7 | 10.7.1 |
| 10.8 | 10.8.1 |
| 10.9 | 10.9.1 |
| 10.10 | 10.10.1 |
| 10.11 | 10.11.1 |
| 10.12 | 10.12.1 |
| 10.13 | 10.13.1 |
| 10.14 | 10.14.1 |
| 10.15 | 10.15.1 |
| 10.16 | 10.16.1 |
| 10.17 | 10.17.1 |
| 10.18 | 10.18.1 |
| 10.19 | 10.19.1 |
| 10.20 | 10.20.1 |
| 10.21 | 10.21.1 |
| 10.22 | 10.22.1 |
| 10.23 | 10.23.1 |
| 10.24 | 10.24.1 |
| 10.25 | 10.25.1 |
| 10.26 | 10.26.1 |
| 10.27 | 10.27.1 |
| 10.28 | 10.28.1 |
| 10.29 | 10.29.1 |
| 10.30 | 10.30.1 |
| 10.31 | 10.31.1 |
| 10.32 | 10.32.1 |
| 10.33 | 10.33.1 |
| 10.34 | 10.34.1 |
| 10.35 | 10.35.1 |
| 10.36 | 10.36.1 |
| 10.37 | 10.37.1 |
| 10.38 | 10.38.1 |
| 10.39 | 10.39.1 |
| 10.40 | 10.40.1 |
| 10.41 | 10.41.1 |
| 10.42 | 10.42.1 |
| 10.43 | 10.43.1 |
| 10.44 | 10.44.1 |
| 10.45 | 10.45.1 |
| 10.46 | 10.46.1 |
| 10.47 | 10.47.1 |
| 10.48 | 10.48.1 |
| 10.49 | 10.49.1 |
| 10.50 | 10.50.1 |
| 10.51 | 10.51.1 |
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| 10.66 | 10.66.1 |
| 10.67 | 10.67.1 |
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| 10.96 | 10.96.1 |
| 10.97 | 10.97.1 |
| 10.98 | 10.98.1 |
| 10.99 | 10.99.1 |
| 10.100 | 10.100.1 |
| 10.101 | 10.101.1 |
| 10.102 | 10.102.1 |
| 10.103 | 10.103.1 |
| 10.104 | 10.104.1 |
| 10.105 | 10.105.1 |
| 10.106 | 10.106.1 |
| 10.107 | 10.107.1 |
| 10.108 | 10.108.1 |
| 10.109 | 10.109.1 |
| 10.110 | 10.110.1 |
| 10.111 | 10.111.1 |
| 10.112 | 10.112.1 |
| 10.113 | 10.113.1 |
| 10.114 | 10.114.1 |
| 10.115 | 10.115.1 |
| 10.116 | 10.116.1 |
| 10.117 | 10.117.1 |
| 10.118 | 10.118.1 |
| 10.119 | 10.119.1 |
| 10.120 | 10.120.1 |
| 10.121 | 10.121.1 |
| 10.122 | 10.122.1 |
| 10.123 | 10.123.1 |
| 10.124 | 10.124.1 |
| 10.125 | 10.125.1 |
| 10.126 | 10.126.1 |
| 10.127 | 10.127.1 |
| 10.128 | 10.128.1 |
| 10.129 | 10.129.1 |
| 10.130 | 10.1 |

'If you want to trap them, add code here to handle them

MsgBox "Data error event hit err:" & Error\$(DataErr)

Response = 0 'Throw away the error

End Sub

5 Private Sub datPrimaryRS_Reposition()

Screen.MousePointer = vbDefault

On Error Resume Next

End Sub

10 Private Sub datPrimaryRS_Validate(Action As Integer, Save As Integer)

'This is where you put validation code

'This event gets called when the following actions occur

Select Case Action

Case vbDataActionMoveFirst

Case vbDataActionMovePrevious

Case vbDataActionMoveNext

Case vbDataActionMoveLast

Case vbDataActionAddNew

Case vbDataActionUpdate

20 Case vbDataActionDelete

Case vbDataActionFind

Case vbDataActionBookmark

Case vbDataActionClose

Screen.MousePointer = vbDefault

End Select

Screen.MousePointer = vbHourglass

End Sub

5

Private Sub Form_Load()

Me.Caption = SystemName & " " & Me.Caption

datPrimaryRS.DatabaseName = App.Path & "\estatement.mdb"

datPrimaryRS.RecordSource = "Select [ID],[Sort Name] as [Customer Name],[e-Mail Address],[Charge] as Chrg,[Confirmed] as Conf,[Suspend] as Susp, [No Ad], [Send Rates] as

10

Rates,[Date Added] from [Users] Order by [Sort Name]"

MSFlexGrid1.FormatString = "ID |Name |e-Mail Address

|Chrg|Conf|Susp|No Ad|Rates|Date Added "

15

End Sub

Private Sub Form_Unload(Cancel As Integer)

Screen.MousePointer = vbDefault

End Sub

20

Private Sub Form_Resize()

frmUsersGrid - 2

On Error Resume Next

5 'This will resize the grid when the form is resized

MSFlexGrid1.Height = Me.ScaleHeight - picButtons.Height - 60

End Sub

Private Sub MSFlexGrid1_DblClick()

10 cmdAddEdit_Click

End Sub

frmUsersGrid - 1

VERSION 5.00

5 Object = "{5E9E78A0-531B-11CF-91F6-C2863C385E30}#1.0#0"; "MSFLXGRD.OCX"

Begin VB.Form frmUsersGrid

Caption = "Customers"

ClientHeight = 4290

ClientLeft = 1110

ClientTop = 345

ClientWidth = 8175

Icon = (Icon)

LinkTopic = "Form1"

ScaleHeight = 4290

ScaleWidth = 8175

StartPosition = 2 'CenterScreen

Begin MSFlexGridLib.MSFlexGrid MSFlexGrid1

Height = 3495

Left = 60

TabIndex = 2

Top = 60

Width = 8055

_ExtentX = 14208

_ExtentY = 6165

_Version = 393216

Cols = 8

FixedCols = 0

5 ScrollBars = 2

FormatString = <...>

End

Begin VB.PictureBox picButtons

Align = 2 'Align Bottom

10 Appearance = 0 'Flat

BorderStyle = 0 'None

ForeColor = &H80000008&

Height = 300

Left = 0

15 ScaleHeight = 300

ScaleWidth = 8175

TabIndex = 0

Top = 3645

Width = 8175

20 Begin VB.CommandButton cmdAddEdit

Caption = "&Add/Edit"

Height = 300

Left = 240

TabIndex = 3

Top = 0

Width = 975

End

5 Begin VB.CommandButton cmdClose

Caption = "&Close"

Height = 300

Left = 1350

TabIndex = 1

Top = 0

Width = 975

End

End

Begin VB.Data datPrimaryRS

Align = 2 'Align Bottom

Caption = " "

Connect = "Access"

DatabaseName = "C:\lebalance\lebalance.mdb"

DefaultCursorType= 0 'DefaultCursor

DefaultType = 2 'UseODBC

Exclusive = 0 'False

frmUsersGrid - 2

Height = 345

5 Left = 0

Options = 0

ReadOnly = 0 'False

RecordsetType = 1 'Dynaset

RecordSource = ""

10 Top = 3945

Visible = 0 'False

Width = 8175

End

End

Module1 - 1

Option Explicit

5 Public fMainForm As frmMain

Public CurrentID As Long, LoanDate As Date, LastUpdate As Date

Public ReportPath As String, FilePath As String, LoanPath As String

Public ReportSet As String, ReportDateAdd%

Global wrkJet As Workspace

10 Global dbs As Database

Global UsersDisabled As Boolean

Global tblAccounts As Table

Global tblUsers As Table

Global tblBalances As Table

15 Global tblTrans As Table

Global tblINSF As Table

Global tblTranCodes As Table

Global tblHistory As Table

Global AutoFlag%, LastComplete As Date, LastTry As Date, NextTry As Date, FilesMissin

20 g As Integer, Autol As Integer

Global tblSetup As Table

Global tblOptions As Table

Global GBalance%, GTrans%, GStatement%, GLoans%, GCSV%, GQwick%, GMessage\$

Global SystemName\$, BankName\$, StatementFont%, GIFName\$

Sub Main()

Dim fLogin As New frmLogin

SystemName\$ = GetSetting(App.Title, "Settings", "SystemName", "eStatement")

5 BankName\$ = GetSetting(App.Title, "Settings", "BankName", "Demo Bank")

StatementFont% = Val(GetSetting(App.Title, "Settings", "StatementFont", "6"))

GIFName\$ = GetSetting(App.Title, "Settings", "GIFName", "")

fLogin.Show vbModal

If Not fLogin.OK Then

10 ' Login Failed so exit app

' End

End If

Unload fLogin

15 frmSplash.Show

frmSplash.Refresh

Set fMainForm = New frmMain

Load fMainForm

20 Unload frmSplash

fMainForm.Show

End Sub © 2000, By Lamar Bank Incorporated. All rights reserved.

The preferred method may also be described with reference to the process steps as set forth in Figs. 13 through 17. Now, with first reference to Fig. 13, there is displayed the various steps in logical sequence from the beginning of e-statement generation up to the actual building of the e-statements. The statement generation step 168 is initiated by verifying input of the various files described above, for extraction of certain financial data, such as balances, debits and credits to checking accounts, loan accounts and the like, previously described and for ultimate display into the e-statement as shown in Fig. 1. During final verification step 169, a negative response will block continued processing and return to menu reflected in block 170.

If all files are positively verified at 169, all variables are initialized in step 171. The variables initiated in step 171 then are loaded into a format in step 172 and dimension variables 173 are configured. If it is then desired to process the statements at step 174, the functions are run and the statements are made at 175.

The actual creation step 176 for the statements is illustrated in Fig. 14. For the making of the statements 176, the dimension variables 173 are considered and the various source files are searched to confirm their presents at step 177. If the files are not present, step 178, return to run function 175 to step 169. If step 177 confirms the presents of various files, the files are open and the header lines are read as step 179. The lines are then read until the top of the page is identified, step 180. The first 8 lines are read and the account number is extracted at step 181 to confirm account number match up step 182. If the confirmation cannot be made at step 182, step 180 is repeated until confirmation is established. Confirmation of account number through step 182 permits continuance of makeup of the statements and an HTML file is built by reading each line of the statement, step 183. The file creation then is ended, step 184 or steps 180 through 183 repeated until creation of the file. Creation of the file enables return step 185

to process balances in the selected accounts (files) step 186. As part of the processing of the balances 186, the loan files are accessed and processed for balances and the like at 187. The loans are read as a sub-step 188.

The loan sub-step 188 is initiated 189 to process, as shown in Fig. 1, two loan files, trial balances 190. Each line of the text from the files is conducted at 191 and extraction of selected character lines, such as 2 through 11 for purposes of Fig. 1 is effected through step 192. If the characters are numeric, 193 an account number match is effected 194. If the characters are not numeric, 193, steps 191 and 192 are repeated to search for any information which can be utilized to effect an account match-up. If the account number match-up is effected, 194, the balance table is updated with data from 3 file lines, for example, to effect the configuration for Fig. 1 at step 195. The file is now complete, 196 or steps 191 through 195 are repeated until the file is completed and return to main program, 197.

After the return step 197, the trial balances for deposit accounts are read and the balance information is extracted, step 198. If the account does not reflect any active loans, step 188 is not initiated and the deposit trial balances readings is immediately effected.

The deposit trial balances step 198 will now be described. First, old balances from the data base for all accounts are deleted as step 199. Confirmation of the existence of such files is then made at 200. If no files are present, trial balances for deposits sub-step 198 is not effected. If presence of the files is confirmed at 200, the files are processed, for example, 3 as shown in Fig. 1, incrementally at 201. Each file is opened in sequence at 202 and each line is read to find and extract the account number, 203. The account number match-up is either confirmed or not at step 204 and, if not, step 203 is repeated until confirmation of the account number match-up. The balance table is updated at step 205 and the file creation is completed, 206, or steps 203, 204 and 205 are repeated until completion of the file and return

to transaction processing, step 207. The processing is continued through step 208 by reading all transactions and non-sufficient funds information sub-step d 209.

The reading of the transactions and NSF information, sub-step 209 is as shown in Fig. 17. The availability of the transactions file is confirmed at 210 and a posting journal is opened, step 211. Each line is read and the account number is extracted, step 212 and an account number match is confirmed 213. If the account number cannot be matched positively, the file is terminated at step 214 or procedure 212 repeated until confirmation is established 213. If the file is terminated at step 214, the run function is continued, step 175 and the statements of processed at 174. If the account number is confirmed at 213, the transaction is added to the transaction table step 215 and creation of the file is terminated, 216, or steps 212, 213 and 215 repeated until file completion. File completion enables run function and statement processing steps 175 and 174, respectively, to be effected. Upon completion of the file 216, the availability of a non-sufficient fund file is checked at step 217 and the NSF report file is opened 218. Each line is read and the account number is extracted 219 with account number match up effected at 220. If there is no match-up, the file is terminated as step 216, or step 219 completed to effect an account match-up. After account match-up, 220, NSF checks are added to the NSF table for generation in the e-statement at step 221 and the file is completed, 222 and the statements are created and processed, steps 175 and 174. The e-statements are built as generally shown in Figs. 2 through 12.

Figs. 17A through 17D illustrate the configuration and orientation of an e-statement printout 300. With particular reference to Fig. 17A, the title block 301 is provided at the upper-most portion of the page with advertising or other special title trailer 302, provided adjacent the title 301. A logo 303 or other artistic embellishment is presented as field 303. A special notice 304 or disclaimer is provided just prior to printout of further specific information. A special printout of the customer number 305 deletes some of the digits

to make the customer number incomplete, but is sufficient for the customer to know and identify his account number through his own personal knowledge.

Field 306 designates a time period for coverage of the information within the statement 300. A summary field 307 then is provided which basically summarizes and identifies the various accounts, such as checking 308 and savings 309, also with only partial complete digits of the account numbers for security purposes, 310 and 311. Respective balances 312 and 313 are provided for the accounts. An account activity field 314 serves to identify various debits and credits 315, 316, 317 and 318 for the associated accounts. The summary 307 also includes an ending balance column 319 for printing of the respective ending balances 320 and 321 for the respective accounts 308, 309.

More detail is provided in the statement 300 through a breakout of each of the account numbers identified in the summary 307. As shown, the first account activity summary 322 is for checking account "06", 308. The account number configuration is repeated in field 323 with the previous balance field 324 being used to identify the previous date of information summary and the previous balances identified at 325. A deposit total line 326 is given to identify the number 327 of deposits or other credits and a digitized total of such deposits and other credits provided at 328. Likewise, a debit and withdrawal line 329 provides the total 330 of debits and other withdrawals and a digitized column reflecting such total. Finally, an ending balance 332 includes a field 333 for referencing the date of the ending balance and digitized field 332 for printing out the amount of such ending balance. General summary information for the checking account 308 is provided below line 334. As shown, the account disclosure field 334 may include an identification of average daily balance 335 in numerical format 336 and the total number of days for the statement cycle 337 and indicated as "28" in field 328.

Details of account transactions are identified at 329, such as deposits and other credits 330 identified in a date column 331 together with a description 332 such as deposit 333 or direct deposit 334 or other means. An amount column 335 is provided with digitized amounts identified, such as 336.

Checks are identified in the area 337 by date, columns 338, number 339 and amount 340. A star or asterisk 341 indicates numerical sequence has been broken.

As shown in Fig. 17B, the check transactions are continued and there below various miscellaneous charges of the bank or commercial organization are indicated at 342 by date 343, reference number 344, description 345 and amount 346. These charges may be reflected as a debit card actual debit 347 from a business identified as 348 using a business designation code 349 and physical location 350. Electronic transfers for automatic payment of utilities may be made, such as at 351 to a supplier 352.

A daily balance field 352 is provided for the checking account 308 with a breakdown by date 353 and balance 354, as shown in Figs. 17C.

Also shown in Fig. 17C is a breakdown for another account, in this case, a savings account identified at 353 with a digitized account identifier at 354 with the first 4 digits therein deleted for security purposes. A previous balance line 355 provides the previous balance as of a given date, such as 356, together with total number of deposits or other credits 357 and total of debits and withdrawals 358 and ending balance line is provided 359 and, there below, a field for identifying and calculating the interest earned on a year to date basis through the last payment 360.

General account disclosure information is identified at title 361 which includes an average daily balance disclosure 362, the number of days in the statement cycle 363. Interest earned during the current statement period is provided at 364 together with the annual percentage yield as calculated in a percentage

format at 365. Finally, the general promotional information or advertising is provided at the end of the statement in a general field identified as 366.

Although the invention has been described in terms of specified embodiments which are set forth in detail, it should be understood that this is by illustration only and that the invention is not necessarily limited thereto, since alternative embodiments and operating techniques will become apparent to those skilled in the art in view of the disclosure. Accordingly, modifications are contemplated which can be made without departing from the spirit of the described invention.